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A

Abrahamson DA, Radcliffe DE, Steiner JL, Cabrera ML, Endale DM, Hoogenboom G. 2006. ***Evaluation of the RZWQM for Simulating Tile Drainage and Leached Nitrate in the Georgia Piedmont***. Agron.J. 98(3):644-654.
Notes**:** #17567e

Affeldt RP, Albrecht KA, Boerboom CM, Bures EJ. 2004. ***Integrating Herbicide-Resistant Corn Technology in a Kura Clover Living Mulch System***. Agron.J. 96(1):247-251.
Notes**:** #17110e

Aiken GE. 2002. ***Cost of Steer Weight Gain to Rate of Supplementation with Ground Corn on Bermudagrass Pasture.*** Agron.J. 94(6):1387-1392.
Notes**:** #16892e

Aiken RM, Nielsen DC, Ahuja LR. 2003. ***Scaling Effects of Standing Crop Residues on the Wind Profile.*** Agron.J. 95(4):1041-1046.
Notes**:** #17008e

Akinotoye HA, Kling JG, Lucas EO. 1999. ***N-use efficiency of single, double and synthetic maize lines grown at four levels in three ecological zones of West Africa***. Field Crops Res. 60:189-199.
Notes**: #**6065

Alejandro Ortega C. 1987. ***Insect pests of maize. A guide for field identification***. Mexico: International Maize and Wheat Improvement Center (CIMMYT). p 1-106.
Notes**:** #15049e ISBN 968-6127-07-0

Alford CM, Krall JM, Miller SD. 2003***. Intercropping Irrigated Corn with Annual Legumes for Fall Forage in the High Plains***. Agron.J. 95(3):520-525.
Notes**:** #16957e

Algerbo PA , Thylén L. 1999. ***Variable nitrogen application: Effects on crop yield and quality***. In:Precision Agriculture - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part A). United States of America: America Society of Agronomy, Crop Science Society of America, Soil Science Society

of America. p 709-718.
Notes: S 11.4 #15494

Ali Sagedi N, Ardakani MR. 2007. ***Effect of nitrogen levels and microelements on physiological indices and forage yield of maize*** (s.c704). In: Zinc Crops 2007 Improving crop production and human health, 24-26 May 2007, Istanbul, Turkey. 2007 International Zinc Association (IZA) / International Fertilizer Industry Association (IFA): Brussel, Belgium. p 1.
Notes: #16462e (abstract presented at Zinc Crops 2007 #16470e)

Al-Kaisi M, Kwaw-Mensah D. 2007. ***Effect of Tillage and Nitrogen Rate on Corn Yield and Nitrogen and Phosphorus Uptake in a Corn-Soybean Rotation***. Agron.J. 99(6):1548-1558.
Notes: #17870e

Al-Kaisi M, Licht MA. 2004***. Effect of Strip Tillage on Corn Nitrogen Uptake and Residual Soil Nitrate Accumulation Compared with No-Tillage and Chisel Plow.*** Agron.J. 96(4):1164-1171.
Notes: #17215e

Al-Kaisi MM, Yin X. 2003***. Effects of Nitrogen Rate, Irrigation Rate, and Plant Population on Corn Yield and Water Use Efficiency.*** Agron.J. 95(6):1475-1482.
Notes: #17063e

Almendras A, Serohijos R, Whitbread A, Lefroy R. 1998. ***Tree/Shrub legume residues in upland cropping systems in the Philippines.*** In: Proceedings of the 16th World Congress of Soil Science.Montpellier, France.20-26 August 1998. University of New England (UNE) Plant Nutrition Group: Armidale, Australia.
Notes: 05/09/28

Amirabadi M, Borji M, Ardakani MR, Rejali F. 2007. ***Determination of efficiency of* mycorrhiza *and* azotobacter i*n uptake of microelements, Zn, Cu and Fe under different levels of phosphorus in corn hybrid of KSC 704.*** In: Zinc Crops 2007 Improving crop production and human health, 24-26 May 2007, Istanbul, Turkey. 2007 International Zinc Association (IZA) / International Fertilizer Industry Association (IFA): Brussel,Belgium. p 1-3.
Notes: #16431e (abstract presented at Zinc Crops 2007 #16470e)

Andales AA, Ahuja LR, Peterson GA. 2003***. Evaluation of GPFARM for Dryland Cropping Systems in Eastern Colorado.*** Agron.J. 95(6):1510-1524.
Notes: #17068e

Andersen SM, Clay SA, Wrage LJ, Matthees D. 2004. ***Soybean Foliage Residues of Dicamba and 2,4-D and Correlation to Application Rates and Yield***. Agron.J. 96(3):750-760.
Notes: #17173e

Anderson JR. 1991. ***Irrigated corn: developing a profitable production system with best management practices.*** Better Crops. 75(3):3–5
Notes**:** H 8.2.2 # 4881

Anderson RL. 2005. ***Are Some Crops Synergistic to Following Crops?*** Agron.J. 97(1):7-10.
Notes**:** #17292e

Andrade FH, Abbate PE. 2005. ***Response of Maize and Soybean to Variability in Stand Uniformity.*** Agron.J. 97(4):1263-1269.
Notes**:** #17443e

Andrade FH, Calvino P, Cirilo A, Barbieri P. 2002. ***Yield Responses to Narrow Rows Depend on Increased Radiation Interception***. Agron.J. 94(5):975-980.
Notes**:** #16842e

Andrade FH, Echarte L, Rizzalli R, Della Maggiora A, Casanovas M. 2002***. Kernel number prediction in maize under nitrogen or water stress.*** Crop Sci. 42:1173-1179.
Notes**:** #15060e

Andraski TW, Bundy LG. 2002. ***Using the Presidedress Soil Nitrate Test and Organic Nitrogen Crediting to Improve Corn Nitrogen Recommendations***. Agron.J. 94(6):1411-1418.
Notes**:** #16895e

Andraski TW, Bundy LG. 2005. ***Cover Crop Effects on Corn Yield Response to Nitrogen on an Irrigated Sandy Soil.*** Agron.J. 97(4):1239-1244.
Notes**:** #17421e

Andraski TW, Bundy LG. 2008***. Corn Residue and Nitrogen Source Effects on Nitrogen Availability in No-Till Corn.*** Agron.J. 100(5):1274-1279.
Notes**:** #18015e

Andresen JA, Alagarswamy G, Rotz CA, Ritchie JT, LeBaron AW. 2001. ***Weather Impacts on Maize, Soybean, and Alfalfa Production in the Great Lakes Region***, 1895-1996. Agron.J. 93(5):1059-1070.
Notes**:** #16685e

Angers DA, N'dayegamiye A, Cote D. 1993. ***Tillage-induced differences in orgnaic matter of particle-size fractions and microbial biomass.*** Soil Sci.Soc.Am.J. 57(2):512-516.
Notes**:** #13126

Angers DA, Voroney RP, Cote D. 1995***. Dynamics of soil organic matter and corn residues affected by tillage practices.*** Soil Sci.Soc.Am.J. 59(5):1311-1315.
Notes: #857

Anon. 1982. ***Diagnosis and Correction of Potassium Deficiency in Major Crops (in Chinese***). Academia Sinica Institute of Soil Science, Nanjing; and East and South East Program of the International Potash Institute (IPI) (Switzerland) and Potash and Phosphate Institute (North America). p 1-57. Notes**:** H 2.5 # 5846

Anon. 1985. ***Diagnosis and Correction of Potassium Deficiency in Major Crops*** (in English and Chinese). Academia Sinica Institute of Soil Science, Nanjing; and East and South East Program of the International Potash Institute (IPI) (Switzerland) and Potash and Phosphate Institute (North America). p 1-85. Notes**:** H 2.5 #5845

Anon. 1988***. Diagnosis dan Perbaikan Kahat Kalium Pada Tanaman Utama***. Department of Soil Science, Bogor Agricultural University; The East and South East Asia Program of the International Potash Institute (IPI) (Switzerland) and Potash and Phosphate Institute (North America). p 1-74. Notes**:** H 2.5 #5847 In Bahasa Indonesia

Anon. 1998***. Vietnam Soil Science No 10.*** Vietnam Soil Science.:1-220. Notes**:** S 26.1.10 #11904 ISSN 0868-3743

Anonymous 2005***. Crop Science Volume 45, No. 1.*** Crop Sci. 45

Anonymous 2005. Soil ***Science Society of America Journal Volume 69***. Soil Sci.Soc.Am.J. 69
in CD#114 / Soil Science Society of America Journal Volume 69 No. 1, 2, 3, 4, 5 (2005)
Notes**:** #15205e

Abrahamson DA, Radcliffe DE, Steiner JL, Cabrera ML, Hanson JD, Rojas KW, Schomberg HH, Fisher DS, Schwartz L, Hoogenboom G. 2005. ***Calibration of the Root Zone Water Quality Model for Simulating Tile Drainage and Leached Nitrate in the Georgia Piedmont.*** Agron.J. 97(6):1584-1602.Notes**:** #17484e

Anonymous1976***. The Evolution of Crop Plants***. 339.
Notes**:** S 8 # 1583

Anonymous1980***. Compendium of Corn Diseases.*** 105.
Notes**:** S 2.3 # 1229

Anonymous1983. ***Potential Productivity of Field Crops Under Different Environments***. 526.
Notes**:** S 8 #1660 (Symposium held in Los Baños, Philippines, 22-26 September 1980)

Anonymous1985. ***Physiology, Biochemistry and Chemistry Associated with Maximum Yield Corn***. A Proceedings of a Research Roundtable for Maximum Yield Research (MYR) of the Future, St Louis, Missouri, 11-12

November 1985. 227.
Notes: S 8.2.2 # 7347

Anonymous1987. ***The Corn Economy of Indonesia***. 302.
Notes: S 8.2.2 # 585

Anonymous1989. ***Detecting Mineral Nutrient Deficiencies in Tropical and Temperate Crops***. Westview Tropical Agriculture Series No. 7 :553.
Notes: S 2.5 # 936

Anonymous1991***. Proceedings of the Southern Regional Tropical Corn Symposium***, Quincy, Florida, 27-28 June 1991. PPI/FAR Technical Buletin 1991-3 :72.
Notes: H 8.2 # 5279

Anonymous1995. ***Evolution of Crop Plants***. 531.
Notes: S 8 #12021

Anonymous1997. ***National Workshop on IPNS. Bhubaneshwar***, 10–12 March 1997. 166.
Notes: S 2.8 #6182

Anonymous1999. ***Balanced Fertilization and Crop Response to Potassium***. Proceedings of the International Symposium of the Soil and Water Research Institute, Tehran, I.R. Iran, 15–18 May 1999. 378.
Notes: S 2.8.1.3 #12503

Anonymous1999***. Impact of Biotechnology on the Fertilizer*** Industry.:1-34.
Notes: H 2.1.3 #8170

Anonymous1999. ***Temporal and spatial variation in soil nitrate acquisition by maize as influenced by nitrate depth distribution***. In:Precision Agriculture - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part A). United States of America: America ,Society of Agronomy, Crop Science Society of America, Soil Science Society of America. p 43-54.
Notes: S 11.4 #15446

Archer DW, Jaradat AA, Johnson JMF, Weyers SL, Gesch RW, Forcella F, Kludze HK. 2007***. Crop Productivity and Economics during the Transition to Alternative Cropping Systems.*** Agron.J. 99(6):1538-1547.
Notes: #17869e

Arkebauer T, Cassman KG, Dobermann A, Drijber RA, Lindquist J, Nelson.L., Powers WL, Russel K, Specht JE, Walters DT. 2001***. Annual report to the Fluid Fertilizer Foundation: Yield potential and optimal soil productivity in irrigated corn systems of the North Central USA***. In: Murphy LS, editor. Proceedings of 2001 Fluid Forum, Vol. 18. Manhattan,KS: Fluid Fertilizer

Foundation. p 44-54.
Notes: #1871

Arnon I. 1974. ***Mineral Nutrition of Maize.*** Bern-Worblaufen: International Potash Institute (IPI). p452.
Notes: S 8.2.2 # 586

Ayotamuno MJ. 2003. ***Ranking potential evapotranspiration models in the prediction of maize water requirements in the PortHarcourt area of Nigeria.*** Outlook on Agriculture. 32(1):51-56.
Notes: #16259e

Azeez JO, Adetunji MT, Lagoke STO. 2006. ***Response of low-nitrogen tolerant maize genotypes to nitrogen application in a tropical Alfisol in northern Nigeria***. STR. 91:181-185.
Notes: #15111e

az-Zorita M, Grove JH, Murdock L, Herbeck J, Perfect E. 2004. ***Soil Structural Disturbance Effects on Crop Yields and Soil Properties in a No-Till Production System***. Agron.J. 96(6):1651-1659.
Notes: #17273e

B

Babcock BA, Pautsch GR. 1997. ***Moving from uniform to variable rates on Iowa corn: Effects on rates and returns.*** Working Paper 97-WP 182.:1-48.
Notes: #15676e

Baez-Gonzalez AD, Kiniry JR, Maas SJ, Tiscareno ML, Macias C, Mendoza JL, Richardson CW, Salinas G, Manjarrez JR. 2005. ***Large-Area Maize Yield Forecasting Using Leaf Area Index Based Yield Model.*** Agron.J. 97(2):418-425.
Notes: #17345e

Bahri A, von Bargen K, Kocher MF, Bashford LL. 1996. ***Metering characteristics accompanying rate changes necessary for precision farming.*** In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 369-377.
Notes: S 11.4 #14747 > #14965

Baijukya FP, de Ridder N, Giller KE. 2006. ***Nitrogen release from decomposing residues of leguminous cover crops and their effect on maize yield on depleted soils of Bukoba District, Tanzania***. Plant Soil. 279:77-93.
Notes: #15115e

Balkcom KS, Reeves DW. 2005. ***Sunn-Hemp Utilized as a Legume Cover Crop for Corn Production.*** Agron.J. 97(1):26-31.
Notes**:** #17295e

Ball Coelho BR, Roy RC, Bruin AJ. 2005. ***Optimization of Liquid Swine Manure Sidedress Rate and Method for Grain Corn.*** Agron.J. 97(5):1322-1332.
Notes**:** #17450e

Ballard R. 1980***. Phosphorus nutrition and fertilization of forest trees. In: editors, editor. Proceedings of a symposium on The role of phosphorus in agriculture***. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 763-804.
Notes**:** # 14742 in S 2.8.1.2 #14717

Barbieri PA, Echeverria HE, Sainz Rozas HR, Andrade FH. 2008. ***Nitrogen Use Efficiency in Maize as Affected by Nitrogen Availability and Row Spacing***. Agron.J. 100(4):1094-1100.
Notes**:** #18012e

Barbieri PA, Echeverria HE, Sainz Rozas HR. 2008. ***Presidedress Soil Nitrogen Test for No-Tillage Maize at Different Row Spacing.*** Agron.J. 100(4):1101-1105.
Notes**:** #18013e

Barbieri PA, Rozas HRS, Andrade FH, Echeverria HE. 2000***. Row Spacing Effects at Different Levels of Nitrogen Availability in Maize.*** Agron.J. 92(2):283-288.
Notes**:** #14499e

Barker DW, Sawyer JE, Al-Kaisi MM, Lundvall JP. 2006. ***Assessment of the Amino Sugar-Nitrogen Test on Iowa Soils: II. Field Correlation and Calibration***. Agron.J. 98(5):1352-1358.
Notes**:** #17647e

Barker DW, Sawyer JE, Al-Kaisi MM. 2006***. Assessment of the Amino Sugar-Nitrogen Test on Iowa Soils: I. Evaluation of Soil Sampling and Corn Management Practices***. Agron.J. 98(5):1345-1351.
Notes**:** #17646e

Barrios E, Buresh RJ, Sprent JI. 1996***. Nitrogen mineralization in density fractions of soil organic matter from maize and legume cropping systems.*** Soil Biol.Biochem. 28:1459-1465.
Notes**:** H 1.9 #3652

Barrios E, Buresh RJ, Sprent JI. 1996***. Organic Matter in Soil Particle Size and Density Fractions from Maize and Legume Cropping Systems.*** Soil Biol.Biochem. 28:185-193.
Notes**:** H 1.9 #3651

Basamba TA, Barrios E, Amézquita E, Rao IM, Singh BR. 2006. Tillage effects on maize yield in a Colombian savanna oxisol: Soil organic matter and P fractions. STR. 91:131-142.
Notes**:** #15113e

Bashir Jama, Swinkels RA, Buresh RJ. 1997***. Agronomic and economic evaluation of organic and inorganic sources of phosphorus in Western Kenya.*** Agron.J. 89:1-8.
Notes**:** H 2.8.1.2 #3649

Baumhardt RL, Unger PW, Dao TH. 2004***. Seedbed Surface Geometry Effects on Soil Crusting and Seedling Emergence.*** Agron.J. 96(4):1112-1117.
Notes**:** #17208e

Bausch WC, Duke HR, Iremonger CJ. 1996***. Assessment of plant nitrogen in irrigated corn.*** In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 23-32.
Notes**:** S 11.4 # 14747 > # 14934

Beard JB, Cookingham PO. 2007. ***William J. Beal--Pioneer Applied Botanical Scientist and Research Society Builder.*** Agron.J. 99(4):1180-1187.
Notes**:** #17827e

Berger KC. n.d. ***Conozca y resuelva los problemas del maiz***.
Notes**:** H 8.2.2.1#6101

Beri V, Sidhu BS, Bahl GS, Bhat AK. 1995. ***Nitrogen and phosphorus transformations as affected by crop residue management practices and their influence on crop yield***. Soil Use Manag. 11(2):51-54.
Notes**:** #843

Bermudez M, Mallarino AP. 2002***. Yield and Early Growth Responses to Starter Fertilizer in No-Till Corn Assessed with Precision Agriculture Technologies***. Agron.J. 94(5):1024-1033.
Notes**:** #16849e

Bermudez M, Mallarino AP. 2004. ***Corn Response to Starter Fertilizer and Tillage across and within Fields Having No-Till Management Histories.*** Agron.J. 96(3):776-785.
Notes**:** #17176e

Bermudez M, Mallarino AP. 2007. ***Impacts of Variable-Rate Phosphorus Fertilization Based on Dense Grid Soil Sampling on Soil-Test Phosphorus and Grain Yield of Corn and Soybean.*** Agron.J. 99(3):822-832.
Notes**:** #17787e

Betrán FJ, Beck D, Bänziger M, Edmeades GO. 2003***. Secondary traits in parental inbreds and hybrids under stress and non-stress environments in tropical maize***. Field Crops Res. 83:51-65.
Notes**:** #15221e

Betran FJ, Isakeit T. 2004. ***Aflatoxin Accumulation in Maize Hybrids of Different Maturities***. Agron.J. 96(2):565-570.
Notes**:** #17150e

Beyaert RP, Schott JW, White PH. 2002***. Tillage Effects on Corn Production in a Coarse-Textured Soil in Southern Ontario.*** Agron.J. 94(4):767-774.
Notes: #16813e

Bianchini AA, Mallarino AP. 2002. ***Soil-Sampling Alternatives and Variable-Rate Liming for a Soybean-Corn Rotation.*** Agron.J. 94(6):1355-1366.
Notes**:** #16888e

Binder DL, Dobermann A, Sander DH, Cassman KG. 2002. ***Biosolids as nitrogen source for irrigated maize and dryland sorghum.*** Soil Sci.Soc.Am.J. 66:531-543.
Notes**:** #1875e

Binder DL, Sander DH, Walters DT. 2000. ***Maize Response to Time of Nitrogen Application as Affected by Level of Nitrogen Deficiency***. Agron.J. 92(6):1228-1236.
Notes**:** 14504e

Binder J, Graeff S, Link J, Claupein W, Liu M, Dai M, Wang P. 2008. ***Model-Based Approach to Quantify Production Potentials of Summer Maize and Spring Maize in the North China Plain.*** Agron.J. 100(3):862-873.
Notes**:** #18010e

Birch CJ, Vos J, van der Putten PEL. 2003. ***Plant development and leaf area production in contrasting cultivars of maize grown in a cool temperate environment in the field***. Eur.J.Agron. 19:173-188.
Notes**:** #15273e

Birrell SJ, Sudduth KA, Kitchen NR. 1996. ***Nutrient mapping implications of short-range variability***. In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 207-216.
Notes**:** S 11.4 #14747 > #14948

Bittman S, Kowalenko CG, Hunt DE, Forge TA, Wu X. 2006***. Starter Phosphorus and Broadcast Nutrients on Corn with Contrasting Colonization by Mycorrhizae***. Agron.J. 98(2):394-401.
Notes**:** #17538e

Bittman S, Kowalenko G, Hunt D. 2000. ***Phosphorus deficiency in seedling corn - crop rotation consideration.*** Better Crops. 84(4):18–20
Notes**:** #8768

Blackmer TM, Schepers JS, Francis DD. 1996***. Making site-specific nitrogen fertilizer recommendations for corn.*** In: Robert PC, Rust RH, Larson WE, editors. Precision Agriculture: Proceedings of the 3rd International Conference June 23-26, 1996 Minneapolis, Minnesota. 677 South Segoe Road, Madison, Wisconsin, USA: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p575.
Notes**:** S 11.4 #14747 > #16376

Blackmore BS , Marshall CJ. 1996. ***Yield mapping: errors and algorithms***. In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 403-415.
Notes**:** S 11.4 #14747 > #14970

Blair G, Lefroy R, Whitbread A, Blair N, Daniel H. 1998. ***The use of a Carbon Management Index (CMI) to monitor changes in soil carbon.*** In: Proceedings of the 16th World Congress of Soil Science.Montpellier, France.20-26 August 1998. University of New England (UNE) Plant Nutrition Group: Armidale, Australia.
Notes**:** 05/09/28; abstract only - sent request to Lefroy

Blanco-Canqui H, Lal R, Post WM, Owens LB. 2006***. Changes in Long-Term No-Till Corn Growth and Yield under Different Rates of Stover Mulch.*** Agron.J. 98(4):1128-1136.
Notes**:** #17622e

Blanco-Canqui H, Lal R. 2008. Axle***-Load Impacts on Hydraulic Properties and Corn Yield in No-Till Clay and Silt Loam***. Agron.J. 100(6):1673-1680.
Notes**:** #18020e

Blanco-Canqui H, Lal R. 2009***. Corn stover removal for expanded uses reduces soil fertility and structural stability***. Soil Sci.Soc.Am.J. 73(2):418-426.
Notes**:** #15928e

Blaser BC, Singer JW, Gibson LR. 2007***. Winter Cereal, Seeding Rate, and Intercrop Seeding Rate Effect on Red Clover Yield and Quality***. Agron.J. 99(3):723-729.
Notes**:** #17775e

Blencowe JW. 1969. ***Alternative sources of income during the immature period of perennial crops. In: Progress in Oil Palm.Proceedings of the Second Malaysian Oil Palm Conference***. The Incorporated Society of Planters:

Kuala Lumpur, 14-16 November 1968. p 238–251.
Notes**:** S 8.1.1 # 11787

Blumenthal JM, Lyon DJ, Stroup WW. 2003***. Optimal Plant Population and Nitrogen Fertility for Dryland Corn in Western Nebraska***. Agron.J. 95(4):878-883.
Notes**:** #16988e

Boedhram N, Arkebauer TJ, Batchelor WD. 2001***. Season-Long Characterization of Vertical Distribution of Leaf Area in Corn.*** Agron.J. 93(6):1235-1242.
Notes**:** #16708e

Bonneau X, Sugarianto J. 1999***. Intercropping with young hybrid coconut palms in climatically marginal area***. Plantations, recherché, développement. 6(1):13–30
Notes**:** S 8.1.3 #7749

Booltink HWG, Verhagen J, Bouma J, Thornton PK. 1996***. Application of simulation models and weather generators to optimize farm management strategies.*** In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 343-360.
Notes**:** S 11.4 #14747 > #14963

Boone MYL , Landivar JA. 1999. Performance of ICEMM: ***A cotton simulation model in a precision farming study.*** In:Precision Agriculture - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part B). United States of America: America Society of Agronomy, Crop Science Society of America, Soil Science Society of America. p 1291-1296.
Notes**:** S 11.4 #15541

Boote KJ, Bennett J, Sinclair TR, Paustian K. editors. 1994. ***Physiology and determination of crop yield***. Wisconsin: American Society of Agronomy, Inc. (ASA), Crop Science Society of America, Inc.(CSSA), Soil Science Society of America, Inc. (SSSA). p 1-601.
Notes**:** 2.2 # 14715

Bordoli JM, Mallarino AP. 1998. ***Deep and shallow banding of phosphorus and potassium as alternatives to broadcast fertilization for no-till corn.*** Agron.J. 90(1):27-33.
Notes**:** 14488e

Borrás L, Maddonni GA, Otegui ME. 2003. ***Leaf senescence in maize hybrids: plant population, row spacing and kernel set effects.*** Field Crops Res. 82:13-26.
Notes**:** #15286e

Borrás L, Otegui ME. 2001***. Maize kernel weight response to postflowering source-sink ratio***. Crop Sci. 49:1816-1822.
Notes**:** H 8.2.2 #14883e

Borrás L, Slafer GA, Otegui ME. 2004***. Seed dry weight response to source-sink manipulations in wheat, maize and soybean: a quantitative reappraisal.*** Field Crops Res. 86(2004):131-146.
Notes**:** H 8.2 #14918e

Borrás L, Westgate ME, Astini JP, Echarte L. 2007. ***Coupling time to silking with plant growth rate in maize***. Field Crops Res. 102:73-85.
Notes**:** #15012e

Borrás L, Westgate ME, Otegui ME. 2003***. Control of kernel weight and kernel water relations by post-flowering source-sink ratio in maize***. Ann.Bot. 91:857-867.
Notes**:** H 8.2.2 #14919e

Borrás L, Westgate ME. 2006***. Predicting maize kernel sink capacity early in development***. Field Crops Res. 95:223-233.
Notes**:** #15124e

Bottema JWT, Broto H. 1990. ***CGPRT Crops in Indonesia 1960-1990. A Statistical Profile. Working Paper 4***
Notes**:** S 26.1.3 # 613

Brock A, Brouder SM, Blumhoff G, Hofmann BS. 2005. ***Defining Yield-Based Management Zones for Corn-Soybean Rotations.*** Agron.J. 97(4):1115-1128.
Notes**:** #17427e

Broder MW, Wagner GH. 1988***. Microbial Colonization and Decomposition of Corn, Wheat and Soybean.*** Soil Sci.Soc.Am.J. 52:112-117.
Notes**:** H 1.7.4 #7541

Bruns HA, Abbas HK. 2005. ***Responses of Short-Season Corn Hybrids to a Humid Subtropical Environment.*** Agron.J. 97(2):446-451.
Notes**:** #17348e

Bruns HA, Abbas HK. 2005***. Ultra-High Plant Populations and Nitrogen Fertility Effects on Corn in the Mississippi Valley.*** Agron.J. 97(4):1136-1140.
Notes**:** #17429e

Bruns HA, Abbas HK. 2006***. Planting Date Effects on Bt and Non-Bt Corn in the Mid-South USA.*** Agron.J. 98(1):100-106.
Notes**:** #17504e

Bruns HA, Abel CA. 2003. ***Nitrogen Fertility Effects on Bt {delta}-Endotoxin and Nitrogen Concentrations of Maize during Early Growth.*** Agron.J.

95(1):207-211.
Notes: #16921e

Bruulsema TW, Malzer GL, Robert PC, Davis JG, Copeland PJ. 1996. ***Spatial relationships of soil nitrogen with corn yield response to applied nitrogen.*** In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 505-512.
Notes: S 11.4 #14747 > #14975

Brye KR, Norman JM, Nordheim EV, Gower ST, Bundy LG. 2002***. Refinements to an In-Situ Soil Core Technique for Measuring Net Nitrogen Mineralization in Moist, Fertilized Agricultural Soil.*** Agron.J. 94(4):864-869.
Notes: #16826e

Buchanan M, King LD. 1992. ***Seasonal fluctuations in soil microbial biomass carbon, phosphorus and activity in no-till and reduced-chemical-input maize agroecosystems***. Biol.Fertil.Soils. 13(4):211-217.
Notes: 5040, 5059 - NT: Includes s XAU: University of California, Santa Cruz, CA

Büll LT, Cantarella H. 1993. ***Cultura do mulho: fatores que afetam a produtividade***. Simpóso sobre Fatores que Afetam a Produtividade do Milho e do Sorgo, Vitória-ES, 30 de julho de 1990. Piraciaba-SP: POTAFOS. p301.
Notes: S 8.2.2 #6519

Bullock DG, Bullock DS, Nafziger ED, Doerge TA, Paszkiewicz SR, Carter PR, Peterson TA. 1998. ***Does variable rate seeding of corn pay?*** Agron.J. 90(6):830-836.
Notes: 14490e

Bussler W. 1962***. Boron deficiency in maize***. Mitteilungen der Deutschen Landwirtschafts-Gesellschaft. 77:1110–1112
Notes: H 2.8.3.3 # 1688

Butler TJ, Han KJ, Muir JP, Weindorf DC, Lastly L. 2008. ***Dairy Manure Compost Effects on Corn Silage Production and Soil Properties.*** Agron.J. 100(6):1541-1545.
Notes: #18023e

Butzen S. 2007***. How to win the NCGA Corn yield contest.*** Crop Insights. 17(13):1-6.
Notes: #16229e

C

Caamal-Maldonado JA, Jimenez-Osornio JJ, Torres-Barragan A, Anaya AL. 2001. ***The Use of Allelopathic Legume Cover and Mulch Species for Weed Control in Cropping Systems.*** Agron.J. 93(1):27-36.
Notes**:** #16555e / CD# 98

Cahill S, Johnson A, Osmond D, Hardy D. 2008. ***Response of Corn and Cotton to Starter Phosphorus on Soils Testing Very High in Phosphorus.*** Agron.J. 100(3):537-542.
Notes**:** #17965e

Cahill S, Osmond D, Crozier C, Israel D, Weisz R. 2007. ***Winter Wheat and Maize Response to Urea Ammonium Nitrate and a New Urea Formaldehyde Polymer Fertilizer***. Agron.J. 99(6):1645-1653.
Notes**:** #17886e

Calvino PA, Andrade FH, Sadras VO. 2003***. Maize Yield as Affected by Water Availability, Soil Depth, and Crop Management.*** Agron.J. 95(2):275-281.
Notes**:** #16930e

Cambardella CA, Colvin TS, Karlen DL, Logsdon SD, Berry EC, Radke JK, Kaspar TC, Parkin TB, Jaynes DB. 1996***. Soil property contributions to yield variation patterns***. In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 189-195.
Notes**:** S 11.4 #14747 > #14946

Capristo PR, Rizzalli RH, Andrade FH. 2007. ***Ecophysiological Yield Components of Maize Hybrids with Contrasting Maturity.*** Agron.J. 99(4):1111-1118.
Notes**:** #17818e

Cavero J, Jimenez L, Puig M, Faci JM, Martinez-Cob A. 2008***. Maize Growth and Yield under Daytime and Nighttime Solid-Set Sprinkler Irrigation.*** Agron.J. 100(6):1573-1579.
Notes**:** #18026e

Cavero J, Playan E, Zapata N, Faci JM. 2001. ***Simulation of Maize Grain Yield Variability within a Surface-Irrigated Field***. Agron.J. 93(4):773-782.
Notes**:** #16644e

Cavigelli MA, Teasdale JR, Conklin AE. 2008***. Long-Term Agronomic Performance of Organic and Conventional Field Crops in the Mid-Atlantic Region.*** Agron.J. 100(3):785-794.
Notes**:** #18000e

Cerrato ME, Blackmer AM. 1990. ***Comparison of models for describing corn yield response to nitrogen fertilizer***. Agron.J. 82:138-143.
Notes**:** #1479

CGPRT Centre. 1991. ***Crops in Thailand: A Statistical Profile, 1960-1990***. Working Paper 9
Notes**:** S 26.1.9 # 614

Chang J, Clay DE, Carlson CG, Reese CL, Clay SA, Ellsbury MM. 2004. ***Defining Yield Goals and Management Zones to Minimize Yield and Nitrogen and Phosphorus Fertilizer Recommendation Errors***. Agron.J. 96(3):825-831.
Notes**:** #17183e

Chang J, Clay DE, Dalsted K, Clay S, O'Neill M. 2003. Corn (Zea mays L.) ***Yield Prediction Using Multispectral and Multidate Reflectance***. Agron.J. 95(6):1447-1453.
Notes**:** #17059e

Chang J, Hansen MC, Pittman K, Carroll M, DiMiceli C. 2007. ***Corn and Soybean Mapping in the United States Using MODIS Time-Series Data Sets.*** Agron.J. 99(6):1654-1664.
Notes**:** #17887e

Chantigny MH, Angers DA, Belanger G, Rochette P, Eriksen-Hamel N, Bittman S, Buckley K, Masse D, Gasser MO. 2008. ***Yield and Nutrient Export of Grain Corn Fertilized with Raw and Treated Liquid Swine Manure.*** Agron.J. 100(5):1303-1309.
Notes**:** #18016e

Chassot A, Richner W. 2002***. Root Characteristics and Phosphorus Uptake of Maize Seedlings in a Bilayered Soil.*** Agron.J. 94(1):118-127.
Notes**:** #16749e

Chen S. 2007. ***Tillage and Crop Sequence Effects on Heterodera glycines and Soybean Yields***. Agron.J. 99(3):797-807.
Notes**:** #17784e

Cherr CM, Scholberg JMS, McSorley R. 2006. ***Green Manure as Nitrogen Source for Sweet Corn in a Warm-Temperate Environment.*** Agron.J. 98(5):1173-1180.
Notes**:** #17526e

Chigarev UV, Veremeychik LA, Skotnikov AV. 1996. ***Dependence of barley growth on soil compaction and methods of fertilizer application.*** In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 553-564.
Notes**:** S 11.4 #14747 > #14980

Chikoye D, Udensi UE, Ogunyemi S. 2005***. Integrated Management of Cogongrass [Imperata cylindrica (L.) Rauesch.] in Corn Using Tillage, Glyphosate, Row Spacing, Cultivar, and Cover Cropping.*** Agron.J.

97(4):1164-1171.
Notes: #17435e

Ciganda V, Gitelson A, Schepers J. 2008. ***Vertical Profile and Temporal Variation of Chlorophyll in Maize Canopy: Quantitative "Crop Vigor" Indicator by Means of Reflectance-Based Techniques***. Agron.J. 100(5):1409-1417.
Notes: #18019e

Clark AJ, Meisinger JJ, Decker AM, Mulford FR. 2007. ***Effects of a Grass-Selective Herbicide in a Vetch-Rye Cover Crop System on Nitrogen Management.*** Agron.J. 99(1):36-42.
Notes: #17690e

Clark AJ, Meisinger JJ, Decker AM, Mulford FR. 2007. ***Effects of a Grass-Selective Herbicide in a Vetch-Rye Cover Crop System on Corn Grain Yield and Soil Moisture.*** Agron.J. 99(1):43-48.
Notes: #17691e

Clark JT, Russell JR, Karlen DL, Singleton PL, Busby WD, Peterson BC. 2004***. Soil Surface Property and Soybean Yield Response to Corn Stover Grazing.*** Agron.J. 96(5):1364-1371.
Notes: #17239e

Clay DE, Carlson CG, Chang J, Clay SA, Malo DD, Ellsbury MM, Lee J. 1999. ***Systematic evaluatiaon of precision farming soil sampling requirements.*** In:Precision Agriculture - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part A). United States of America: America Society of Agronomy, Crop Science Society of America, Soil Science Society of America. p 253-266.
Notes: S 11.4 #15461

Clay DE, Carlson CG, Clay SA, Reese C, Liu Z, Chang J, Ellsbury MM. 2006. ***Theoretical Derivation of Stable and Nonisotopic Approaches for Assessing Soil Organic Carbon Turnover***. Agron.J. 98(3):443-450.
Notes: #17545e

Clay DE, Kim KI, Chang J, Clay SA, Dalsted K. 2006. ***Characterizing Water and Nitrogen Stress in Corn Using Remote Sensing***. Agron.J. 98(3):579-587.
Notes: #17560e

Clay SA , Brix-Davis K. 1996. ***The interaction between the spatial variability of velvetleaf populations and corn yield potentials.*** In: Robert PC, Rust RH, Larson WE, editors. Precision Agriculture: Proceedings of the 3rd International Conference June 23-26, 1996 Minneapolis, Minnesota. 677 South Segoe Road, Madison, Wisconsin, USA: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p565.
Notes: S 11.4 #14747 > #14981

Clay SA, Kleinjan J, Clay DE, Forcella F, Batchelor W. 2005***. Growth and Fecundity of Several Weed Species in Corn and Soybean***. Agron.J. 97(1):294-302.
Notes**:** #17330e

Coelho AM, de França GE. 1995. ***Seja o doutor do seu milho***. Nutrição e Adubação. Arquivo do Agrônomo No. 2
Notes**:** #4165

Collins HP, Delgado JA, Alva AK, Follett RF. 2007. ***Use of Nitrogen-15 Isotopic Techniques to Estimate Nitrogen Cycling from a Mustard Cover Crop to Potatoes***. Agron.J. 99(1):27-35.
Notes**:** #17689e

Conti ME, Arrigo NM, Marelli HJ. 1997. ***Relationship of soil carbon light fraction, microbial activity, humic acid production and nitrogen fertilization in the decaying process of corn stubble***. Biol.Fertil.Soils. 25(1):75-78.
Notes**:** 5583

Cook HF, Valdez GSB, Lee HC. 2006***. Mulch effects on rainfall interception, soil physical characteristics and temperature under*** Zea mays ***L***. STR. 91:227-235.
Notes**:** #15110e

Copeland PJ, Malzer GL, Davis JG, Lamb JA, Robert PC, Bruulsema TW. 1996***. Using harvest index to locate environmental stress.*** In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 531-540.
Notes**:** S 11.4 #14747 > #14978

Cora JE, Pierce FJ, Basso B, Ritchie JT. 1999. ***Simulation of within field variability of corn yield with ceres maize model.*** In:Precision Agriculture - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part B). United States of America: America Society of Agronomy, Crop Science Society of America, Soil Science Society of America. p 1309-1320.
Notes**:** S 11.4 #15543

Costa C, Dwyer LM, Zhou X, Dutilleul P, Hamel C, Reid LM, Smith DL. 2002. ***Root Morphology of Contrasting Maize Genotypes***. Agron.J. 94(1):96-101.
Notes**:** #16746e

Coulter JA, Nafziger ED. 2008***. Continuous Corn Response to Residue Management and Nitrogen Fertilization.*** Agron.J. 100(6):1774-1780.
Notes**:** #18028e

Cox WJ, Cherney DJR. 2001***. Influence of Brown Midrib, Leafy, and Transgenic Hybrids on Corn Forage Production.*** Agron.J. 93(4):790-796.
Notes**:** #16646e

Cox WJ, Cherney DJR. 2001***. Row Spacing, Plant Density, and Nitrogen Effects on Corn Silage***. Agron.J. 93(3):597-602.
Notes**:** #16631e

Cox WJ, Cherney DJR. 2002***. Evaluation of Narrow-Row Corn Forage in Field-Scale Studies.*** Agron.J. 94(2):321-325.
Notes**:** #16770e

Cox WJ, Cherney JH, Shields E. 2007. Clothianidin ***Seed Treatments Inconsistently Affect Corn Forage Yield When following Soybean.*** Agron.J. 99(2):543-548.
Notes**:** #17750e

Cox WJ, Cherney JH. 2005***. Timing Corn Forage Harvest for Bunker Silos***. Agron.J. 97(1):142-146.
Notes**:** #17311e

Cox WJ, Hahn RR, Stachowski PJ, Cherney JH. 2005***. Weed Interference and Glyphosate Timing Affect Corn Forage Yield and Quality.*** Agron.J. 97(3):847-853.
Notes**:** #17405e

Cox WJ, Hahn RR, Stachowski PJ. 2006. ***Time of Weed Removal with Glyphosate Affects Corn Growth and Yield Components.*** Agron.J. 98(2):349-353.
Notes**:** #17564e

Cox WJ, Hanchar JJ, Knoblauch WA, Cherney JH. 2006. ***Growth, Yield, Quality, and Economics of Corn Silage under Different Row Spacings.*** Agron.J. 98(1):163-167.
Notes**:** #17512e

Cox WJ, Knoblauch WA, Van Es HM, Katsvairo TW, Glos MA. 2004***. Economics of Purchasing a Yield Monitor for Split-Planter Corn Hybrid Testing***. Agron.J. 96(5):1469-1474.
Notes**:** #17252e

Cox WJ, Shields E, Cherney DJR, Cherney JH. 2007. ***Seed-Applied Insecticides Inconsistently Affect Corn Forage in Continuous Corn.*** Agron.J. 99(6):1640-1644.
Notes**:** #17885e

Cui Z, Chen X, Miao Y, Zhang F, Sun Q, Schroder J, Zhang H, Li J, Shi L, Xu J, Ye Y, Liu C, Yang Z, Zhang Q, Huang S, Bao D. 2008***. On-Farm Evaluation of the Improved Soil Nmin-based Nitrogen Management for Summer Maize***

in North China Plain. Agron.J. 100(3):517-525.
Notes**:** #17963e

Curnoe WE, Irving DC, Dow CB, Velema G, Unc A. 2006***. Effect of Spring Application of a Paper Mill Soil Conditioner on Corn Yield.*** Agron.J. 98(3):423-429.
Notes**:** #17542e

D

Dalal RC, Dattoo RF, Indalsingh T. 1974***. Relative efficiency of sulphur coated urea, urea and ammonium sulphate in a calcareous soil. Tropical Agriculture*** (Trinidad). 51:515-522.
Notes**:** H 21.3 #5969

Darby HM, Lauer JG. 2002***. Harvest Date and Hybrid Influence on Corn Forage Yield, Quality, and Preservation.*** Agron.J. 94(3):559-566.
Notes**:** #16801e

Darby HM, Lauer JG. 2002. ***Planting Date and Hybrid Influence on Corn Forage Yield and Quality.*** Agron.J. 94(2):281-289.
Notes**:** #16765e

Dasilveira PM, Dasilva SC, Dasilva OF, Damaceno MA. 1994. ***Agricultural system under irrigation*** [portuguese]. Pesquisa Agropecuaria Brasileira. 29(8):1243-1252.
Notes**:** #879

Daughtry CST. 2001***. Discriminating Crop Residues from Soil by Shortwave Infrared Reflectance. Agron.J. 93(1):125-131.***
Notes**:** #16570e / CD# 98

Davis JG, Malzer GL, Copeland PJ, Lamb JA, Robert PC, Bruulsema TW. 1996***. Using yield variability to characterize spatial crop response to applied N.*** In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 513-519.
Notes**:** S 11.4 #14747 > #14976

de Agudelo FV, Villa GAS. 2007. ***Enfermedades del maiz y su manejo***. Bogota: Fondo Nacional Cerealista (Fenalce), Instituto Columbia Agropecuario (ICA). p 1-55.
Notes**:** H 8.2.2 #15437; ISBN 978-958-97902-3-6

De Bruin JL, Porter PM, Jordan NR. 2005. ***Use of a Rye Cover Crop following Corn in Rotation with Soybean in the Upper Midwest.*** Agron.J. 97(2):587-

598.
Notes**:** #17365e

de Geus JG. 1973***. Fertilizer Guide for the Tropics and Subtropics***. Zurich, Switzerland: Centre d'Étude de l'Azote. p774.
Notes**:** S 2.8 #10687

De León C. 1984. ***Maize Diseases: A Guide for Field Identification. Centro Internacional de Mejoramiento de Maiz y Trigo (***CIMMYT). p114.
Notes**:** H 8.2.2.2 #7214

Delate K, Cambardella CA. 2004***. Agroecosystem Performance during Transition to Certified Organic Grain Production.*** Agron.J. 96(5):1288-1298.
Notes**:** #17230e

Delgaso JA. 1999. ***NLEAP simulation of soil type effects on residual nitrate-nitrogen and potential use for precision agriculture.*** In:Precision Agriculture - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part B). United States of America: America Society of Agronomy, Crop Science Society of America, Soil Science Society of America. p 1367-1378.
Notes**:** S 11.4 #15546

Dellinger AE, Schmidt JP, Beegle DB. 2008***. Developing Nitrogen Fertilizer Recommendations for Corn Using an Active Sensor.*** Agron.J. 100(6):1546-1552.
Notes**:** #18024e

Deng SP, Tabatabai MA. 1997. ***Effect of tillage and residue management on enzyme activities in soils: III. Phosphatases and arylsulfatase.*** Biol.Fertil.Soils. 24(2):141-146.
Notes**: #** 5101

Derby NE, Casey FXM, Franzen DW. 2007. ***Comparison of Nitrogen Management Zone Delineation Methods for Corn Grain Yield.*** Agron.J. 99(2):405-414.
Notes**:** #17733e

Derby NE, Casey FXM, Knighton RE, Steele DD. 2004. ***Midseason Nitrogen Fertility Management for Corn Based on Weather and Yield Prediction.*** Agron.J. 96(2):494-501.
Notes**:** #17141e

Derby NE, Steele DD, Terpstra J, Knighton RE, Casey FXM. 2005. ***Interactions of Nitrogen, Weather, Soil, and Irrigation on Corn Yield.*** Agron.J. 97(5):1342-1351.
Notes**:** #17452e

Dharmakeerthi RS, Kay BD, Beauchamp EG. 2006***. Spatial Variability of In-Season Nitrogen Uptake by Corn Across a Variable Landscape as***

Affected by Management. Agron.J. 98(2):255-264.
Notes**:** #17524e

Diker K , Bausch WC. 1999. ***Mapping in-season soil nitrogen variability assessed through remote sensing.*** In:Precision Agriculture - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part B). United States of America: America Society of Agronomy, Crop Science Society of America, Soil Science Society of America. p 1445-1456.
Notes**:** S 11.4 #15551

Dillehay BL, Roth GW, Calvin DD, Kratochvil RJ, Kuldau GA, Hyde JA. 2004. ***Performance of Bt Corn Hybrids, their Near Isolines, and Leading Corn Hybrids in Pennsylvania and Maryland.*** Agron.J. 96(3):818-824.
Notes**:** #17182e

Dinger H. 1928. ***Some notes on manuring with rock phosphate. De Bergcultures***. 3(7):176–184
Notes**:** 01/05/02 =9077 # 9078

Dinkelaker B, Hahn G, Marschner H. 1993. ***Non-destructive methods for demonstrating chemical changes in the rhizosphere: II. Application of methods***. Plant Soil. 156:71-74.
Notes**:** #13406

Do TB. 2001***. Balanced Fertilization for Better Crops in the South of Vietnam. Annual Report.***
Notes**:** H 26.1.10 #9209

Dobermann A, Arkebauer T, Cassman KG, Drijber R, Lindquist J, Madhavan S, Markwell J, Nelson L, Specht JE, Walters D, Yang HS, Amos B, Binder D, Murphy C, Teichmeier G. 2003***. Corn yield potential and optimal soil productivity in irrigated corn/soybean systems.***
Notes**:** #13425 (unpublished; see #1914 for book chapter citation)

Dobermann A, Arkebauer T, Cassman KG, Drijber R, Lindquist J, Specht JE, Walters D, Yang HS, Miller D, Binder D, Teichmeier G, Ferguson RB, Wortmann C. 2003. ***Understanding corn yield potential in different environments.***
ID: 13424

Dobermann A, Arkebauer T, Cassman KG, Drijber RA, Lindquist J, Madhavan S, Markwell J, Nelson L, Specht JE, Walters DT, Yang HS, Amos B, Binder DL, Murphy C, Teichmeier G. 2002. ***Corn yield potential and optimal soil productivity in irrigated corn/soybean systems***. In: Murphy LS, editor. Proceedings of the 2002 Fluid Forum, Vol. 19. Manhattan,KS: Fluid Fertilizer Foundation. p 65-85.
Notes**:** #1914

Dobermann A, Arkebauer TJ, Cassman KG, Lindquist JL, Walters DT, Yang HS, Amos B, Binder DL, Teichmeier G. 2002. ***Understanding corn yield potential and optimal soil productivity in irrigated corn systems***. In: Schlegel AJ, editor. Great Plains Soil Fertility Conference Proceedings, Vol. 9. Manhattan,KS: Kansas State University. p 260-272.
Notes**: #**1915

Dobermann A, Ping JL, Adamchuk VI, Simbahan GC, Ferguson RB. 2003. ***Classification of Crop Yield Variability in Irrigated Production Fields.*** Agron.J. 95(5):1105-1120.
Notes**:** #17016e

Dobermann A, Ping JL. 2004. ***Geostatistical integration of yield monitor data and remote sensing improves yield maps.*** Agron.J. 96(1):285-297.
#14759e

Dobermann A, Shapiro C. 2004***. Setting a realistic corn yield goal***.:1-8.
Notes**:** #14913e
This NebGuide replaces G79-481-A by D.G. Hanway and D.H. Sander

Dobermann A, Shapiro C. 2004. ***The effect of potassium on corn stalk strength and yield***.:1-9.
(A final research application summary prepared for the Pioneer Crop Management Research Awards Program) Notes**:** H 8.2.2.1 #14907e

Dobermann A, Walters D, Lehane R, Arkebauer T, Cassman KG, Drijber R, Lindquist J, Specht J, Yang HS. 2005***. Unlocking the secrets of carbon and nitrogen cycling in continuous corn and corn-soybean systems.*** In: Murphy LS, editor. Proceedings of the 2005 Fluid Forum, Vol. 22 [CD-ROM]. Manhattan: Fluid Fertilizer Foundation.
Notes**:** H 8.2.2 #14825e

Dobermann A. 2002***. Potassium requirements of maize under intensive cropping. In:Potassium in Argentina's agricultural systems***. Buenos Aires: International Potash Institute.
Notea: #1912

Doerge T. 2005. ***Influence of Potassium Fertilizer on Corn Stalk Strength***. Crop Insights. 15(7):1-4.
Notes**:** H 8.2.2.1 #14826e

Dudka M, Langton S, Shuler R, Kurle J, Grau CR. 1999***. Use of digital imagery to evaluate disease incidence and yield loss caused by sclerotinia stem rot of soybeans***. In:Precision Agriculture - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part B). United States of America: America Society of Agronomy, Crop Science Society of America, Soil Science Society of America. p 1549-1558.
Notes**:** S 11.4 #15559

Duiker SW, Curran WS. 2005***. Rye Cover Crop Management for Corn Production in the Northern Mid-Atlantic Region.*** Agron.J. 97(5):1413-1418.
Notes**:** #17461e

Duiker SW, Haldeman JF, Jr., Johnson DH. 2006***. Tillage x Maize Hybrid Interactions***. Agron.J. 98(3):436-442.
Notes**:** #17544e

Duiker SW, Hartwig NL. 2004***. Living Mulches of Legumes in Imidazolinone-Resistant Corn***. Agron.J. 96(4):1021-1028.
Notes**:** #17198e

Duldulao VA, Labios RV. 2003. ***Building the foundation for a globally competitive and sustainable Philippine corn industry.*** In: Proceedings of the 1st Annual Philippine Corn Symposium and Planning Workshop. Philippine Corn Research Institute, National Corn RDE Network, Bureau of Agricultural Research and Department of Agriculture: Laguna. p 1-215.
Notes**:** 8.2.2 #14572

Dwyer LM, Stewart DW, Carrigan L, Ma BL, Neave P, Balchin D. 1999***. Guidelines for Comparisons among Different Maize Maturity Rating Systems***. Agron.J. 91(6):946-949.
Notes**:** #14497e

E

Earl HJ, Davis RF. 2003. ***Effect of Drought Stress on Leaf and Whole Canopy Radiation Use Efficiency and Yield of Maize***. Agron.J. 95(3):688-696.
Notes**:** #16976e

Echarte L, Andrade FH, Sadras VO, Abbate P. 2006***. Kernel weight and its response to source manipulations during grain filling in Argentinean maize hybrids released in different decades***. Field Crops Res. 96:307-312.
Notes**:** #15126e

Echarte L, Andrade FH. 2007**. *Harvest index stability of Argentinean maize hybrids released between 1965 and 1993.*** Field Crops Res. 82:1-12.
Notes: #15277e

Edwards JT, Purcell LC, Vories ED. 2005***. Light Interception and Yield Potential of Short-Season Maize (Zea mays L.) Hybrids in the Midsouth***. Agron.J. 97(1):225-234.
Notes**:** #17321e

Eghball B, Ginting D, Gilley JE. 2004. ***Residual Effects of Manure and Compost Applications on Corn Production and Soil Properties.*** Agron.J. 96(2):442-447.
Notes**:** #17135e

Eghball B, Sander DH. 1989***. Distance and distribution effects of phosphorus fertilizer on corn***. Soil Sci.Soc.Am.J. 53:282–287
Notes**:** H 8.2.2.1 **#** 3570

Eghball B, Schepers JS, Negahban M, Schlemmer MR. 2003. ***Spatial and Temporal Variability of Soil Nitrate and Corn Yield: Multifractal Analysis***. Agron.J. 95(2):339-346.
Notes**:** #16938e

Eghball B, Shanahan JF, Varvel GE, Gilley JE. 2003. ***Reduction of High Soil Test Phosphorus by Corn and Soybean Varieties.*** Agron.J. 95(5):1233-1239.
Notes**:** #17032e

Eghball B. 2002***. Soil Properties as Influenced by Phosphorus- and Nitrogen-Based Manure and Compost Applications.*** Agron.J. 94(1):128-135.
Notes**:** #16750e

Ehaliotis C, Cadisch G, Giller KE. 1998***. Substrate amendments can alter microbial dynamics and N availability from maize residues to subsequent crops***. Soil Biol.Biochem. 30:1281-1292.
Notes**:** H 1.7.4 #4890

Ehrencron VKR. 1949. ***Preliminary pot experiments with acid forest peat from Borneo. Mededelingen van het Algemeen Proefstation voor de Landbouw***. No. 90:1–26
Notes**:** H 8.2.2 # 5616

Eichinger WE, Cooper DI. 2007. ***Using Lidar Remote Sensing for Spatially Resolved Measurements of Evaporation and Other Meteorological Parameters.*** Agron.J. 99(1):255-271.
Notes**:** #17717e

Ekasingh B, Gypmantasiri P, Thong-ngam K, Grudloyma P. 2004***. Maize in Thailand. Production systems, constraints, and research priorities.*** Mexico: International Maize and Wheat Improvement Center (CIMMYT). p 1-35.
Notes**:** H 8.2.2; #14569e

Elings A. 2000***. Estimation of Leaf Area in Tropical Maize***. Agron.J. 92(3):436-444.
Notes**:** 14500e

Ellsbury MM, Woodson WD, Clay SA, Carlson CG. 1996***. Spatial characterization of corn rootworm populations in continuous and rotated corn.*** In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 487-494.
Notes**:** S 11.4 #14747 > #14974

Elwadie ME, Pierce FJ, Qi J. 2005***. Remote Sensing of Canopy Dynamics and Biophysical Variables Estimation of Corn in Michigan***. Agron.J. 97(1):99-105.
Notes**:** #17304e

Endale DM, Schomberg HH, Fisher DS, Jenkins MB, Sharpe RR, Cabrera ML. 2008. ***No-Till Corn Productivity in a Southeastern United States Ultisol Amended with Poultry*** Litter. Agron.J. 100(5):1401-1408.
Notes**:** #18018e

Enjalric F, Nguema J, Hugot N, Chan HTS. 1999. ***Hevea brasiliensis*** and food intercrops: a development-oriented croppin system in Gabon. Plantations, recherché, développement. 6(1):5–12
Notes**:** S 8.1.2 #7748

Ennin SA, Clegg MD. 2001***. Effect of Soybean Plant Populations in a Soybean and Maize Rotation.*** Agron.J. 93(2):396-403.
Notes**:** #16604e / CD# 98

Eppendorfer WH, Bille SW, Patipanawattana S. 2002***. Protein quality and amino acid-protein relationship of maize, sorghum and rice grain as influenced by nitrogen, phosphorus, potassium and soil moisture stress.*** J.Sci.Food Agric. 36:453-462.
Notes**:** 7420

Ernani PR, Bayer C, Maestri L. 2002. Corn ***Yield as Affected by Liming and Tillage System on an Acid Brazilian Oxisol.*** Agron.J. 94(2):305-309.
Notes**:** #16768e

Evans SP, Knezevic SZ, Lindquist JL, Shapiro CA, Blankenship EE. 2003***. Nitrogen application influences the critical period for weed control in corn.*** Weed Sci. 51(May-June 2003):408-417.
Notes**:** 05/03/15e
10859e

Everett MW , Pierce FJ. 1996. ***Variability of corn yield and soil profile nitrates in relation to site-specific N management.*** In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 43-54.
Notes**:** S 11.4 #14747 > #14936

F

Fageria NK. 2007***. Zinc uptake and use efficiency in food crops. In: Zinc Crops 2007 Improving crop production and human health***, 24-26 May 2007, Istanbul, Turkey. 2007 International Zinc Association (IZA) / International Fertilizer Industry Association (IFA): Brussel, Belgium. p 1-2.
Notes**:** #16435e (abstract presented at Zinc Crops 2007 #16470e)

Fan T, Stewart BA, Payne WA, Wang Y, Song S, Luo J, Robinson CA. 2005. ***Supplemental Irrigation and Water-Yield Relationships for Plasticulture Crops in the Loess Plateau of China***. Agron.J. 97(1):177-188.
Notes**:** #17316e

Fan XM, Chen HM, Tan J, Xu CX, Zhang YM, Huang YX, Kang MS. 2008***. A New Maize Heterotic Pattern between Temperate and Tropical Germplasms***. Agron.J. 100(4):917-923.
Notes**:** #18011e

Fan XM, Kang MS, Chen H, Zhang Y, Tan J, Xu C. 2007*.* ***Yield Stability of Maize Hybrids Evaluated in Multi-Environment Trials in Yunnan, China****.* Agron.J. 99(1):220-228.
Notes**:** #17713e

Farnham DE. 2001. ***Row Spacing, Plant Density, and Hybrid Effects on Corn Grain Yield and Moisture.*** Agron.J. 93(5):1049-1053.
Notes**:** 14506e

Fathi G , Barzegar AR. 1999. The ***interaction of potassium and nitrogen on corn yield.*** [Poster presentation]. In: Johnston AE, Maibaum W, editors. Balanced Fertilization and Crop Response to Potassium. Proceedings of the International Symposium of the Soil and Water Research Institute, Tehran, I.R. Iran, 15–18 May 1999. Basel, Switzerland: International Potash Institute. p308–310.
Notes**:** 03/04/04 #12532

Fauci MF, Dick RP. 1994. ***Plant response to organic amendments and decreasing inorganic nitrogen rates in soils from a long-term experiment***. Soil Sci.Soc.Am.J. 58:134-138.
Notes**: #**13460

Fauci MF, Dick RP. 1994***. Soil microbial dynamics - short-term and long-term effects of inorganic and organic nitrogen.*** Soil Sci.Soc.Am.J. 58:801-806.
Notes: #13461

Felter DG, Lyon DJ, Nielsen DC. 2006. ***Evaluating Crops for a Flexible Summer Fallow Cropping System.*** Agron.J. 98(6):1510-1517.
Notes**:** #17666e

Ferguson RB, Hergert GW, Schepers JS, Crawford CA. 1999. ***Site-specific nitrogen management of irrigate corn.*** In:Precision Agriculture - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part A).

United States of America: America Society of Agronomy, Crop Science Society of America, Soil Science Society of America. p 733-744.
Notes**:** S 11.4 #15497

Feyaerts F, Pollet P, Van Cool L, Wambacq P. 1999. ***Sensor for weed detection based on spectral measurements.*** In:Precision Agriculture - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part B). United States of America: America Society of Agronomy, Crop Science Society of America, Soil Science Society of America. p 1537-1548.
Notes**:** S 11.4 #15558

Feyereisen GW, Wilson BN, Sands GR, Strock JS, Porter PM. 2006***. Potential for a Rye Cover Crop to Reduce Nitrate Loss in Southwestern Minnesota.*** Agron.J. 98(6):1416-1426.
Notes**:** #17655e

Fischer KS , Palmer AFE. 1983. ***Yield efficiency in tropical maize. In: International Rice Research Institute, editor. Potential Productivity of Field*** Crops Under Different Environments. Los Baños: IRRI. p155–180.
Notes**:** H 8.2.2.1 # 4577

Fisk JW, Hesterman OB, Shrestha A, Kells JJ, Harwood RR, Squire JM, Sheaffer CC. 2001. ***Weed Suppression by Annual Legume Cover Crops in No-Tillage Corn***. Agron.J. 93(2):319-325.
Notes**:** #16594e / CD# 98

Fixen PE, West FB. 2002. ***Nitrogen fertilizers. Meeting contemporary challenges***. Ambio. 31(2):169-176.
Notes**:** #15212

Fofana B, Tamélokpo A, Wopereis MCS, Breman H, Dzotsi K, Carsky RJ. 2005***. Nitrogen use efficiency by maize as affected by a mucuna short fallow and P application in the coastal savanna of West Africa.*** Nutr.Cycl.Agroecosyst. 71:227-237.
Notes**:** #14819e

Fonseca AE, Westgate ME. 2005. ***Relationship between desiccation and viability of maize pollen.*** Field Crops Res. 94:114-125.
Notes**:** #15014e

Fox RH, Piekielek WP, Macneal KE. 2001. ***Comparison of Late-Season Diagnostic Tests for Predicting Nitrogen Status of Corn***. Agron.J. 93(3):590-597.
Notes**:** #16630e

Fraisse CW, Sudduth KA, Kitchen NR. 1999. ***Evaluation of corp models to simulate site-specific corp development and yield***. In:Precision Agriculture - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part B). United States of America: America Society of Agronomy, Crop Science

Society of America, Soil Science Society of America. p 1297-1308.
Notes: S 11.4 #15542

Franzen DW, Cihacek LJ, Hofman VL. 1996. ***Variability of soil nitrate and phosphate under different landscapes.*** In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 521-529.
Notes: S 11.4 #14747 > #14977

Franzluebbers AJ, Hons FM, Zuberer DA. 1995. ***Soil Organic Carbon, Microbial Biomass, and Mineralizable Carbon and Nitrogen in Sorghum.*** Soil Sci.Soc.Am.J. 59:460-466.
Notes: #823

Freeman KW, Girma K, Arnall DB, Mullen RW, Martin KL, Teal RK, Raun WR. 2007. ***By-Plant Prediction of Corn Forage Biomass and Nitrogen Uptake at Various Growth Stages Using Remote Sensing and Plant Height.*** Agron.J. 99(2):530-536.
Notes: #17748e

Fritz VA, Randall GW, Rosen CJ. 2001. ***Characterization and Utilization of Nitrogen Contained in Sweet Corn Silage Waste***. Agron.J. 93(3):627-633.
Notes: #16635e

Fröhlich G, Rodewald W. 1969. ***Pests and Diseases of Tropical Crops and Their Control. Oxford***: Pergamon Press. p371.
Notes: S 2.3 #1238 Original German edition 1963
Translator: Liebscher, H.; Koehler, F.

Fronning BE, Thelen KD, Min DH. 2008. ***Use of Manure, Compost, and Cover Crops to Supplant Crop Residue Carbon in Corn Stover Removed Cropping Systems.*** Agron.J. 100(6):1703-1710.
Notes: #18021e

G

Gambin BL, Borrás L, Otegui ME. 2006. ***Source-sink relations and kernel weight differences in maize temperate hybrids***. Field Crops Res. 95:316-326.
Notes: #15122e

Gao W, Grant RH, Heisler GM, Slusser JR. 2002. ***A Geometric Ultraviolet-B Radiation Transfer Model Applied to Vegetation Canopies.*** Agron.J. 94(3):475-482.
Notes: #16791e

Garcia JP, Wortmann CS, Mamo M, Drijber R, Tarkalson D. 2007. ***One-Time Tillage of No-Till: Effects on Nutrients, Mycorrhizae, and Phosphorus Uptake.*** Agron.J. 99(4):1093-1103.
Notes**:** #17816e

Gehl RJ, Schmidt JP, Maddux LD, Gordon WB. 2005. ***Corn Yield Response to Nitrogen Rate and Timing in Sandy Irrigated Soils.*** Agron.J. 97(4):1230-1238.
Notes**:** #17420e

Gerparcio RV, Labois JD, Labios RV, Diangkinay EI. 2004. ***Maize in the Philippines. Production systems, constraints, and research priorities.*** Mexico: International Maize and Wheat Improvement Center (CIMMYT). p 1-37.
Notes**:** H 8.2.2; #14567e

Gesch RW, Archer DW. 2005. ***Influence of Sowing Date on Emergence Characteristics of Maize Seed Coated with a Temperature-Activated Polymer***. Agron.J. 97(6):1543-1550.
Notes**:** #17478e

Gibson LR, Nance CD, Karlen DL. 2007. ***Winter Triticale Response to Nitrogen Fertilization when Grown after Corn or Soybean.*** Agron.J. 99(1):49-58.
Notes**:** #17692e

Godsey CB, Schmidt JP, Schlegel AJ, Taylor RK, Thompson CR, Gehl RJ. 2003. ***Correcting Iron Deficiency in Corn with Seed Row-Applied Iron Sulfate***. Agron.J. 95(1):160-166.
Notes**:** #16915e

Godsey CB, Vitale J, Damicone JP, Sholar JR, Nickels J, Baker J. 2007*.* ***Rotational Effects in Oklahoma Peanut Production: Prospects for Peanut Rotations in the Post-Quota Era****.* Agron.J. 99(5):1238-1244.
Notes**:** #17835e

Goggi AS, Caragea P, Pollak L, McAndrews G, DeVries M, Montgomery K. 2008***.*** ***Seed Quality Assurance in Maize Breeding Programs: Tests to Explain Variations in Maize Inbreds and Populations.*** Agron.J. 100(2):337-343.
Notes**:** #17937e

Gonzales LA. 2007***. Four seasons of commercialization. Monitoring and evaluating the socio-economic impact of Bt Corn in the Philippines. Los Baños: Society Towards Reinforcing Inherent Viability for Enrichment Foundation*** (STRIVE/SIKAP). p 1-62.
Notes**:** H 8.2.2 #15793

Gonzalez-Prieto SJ, Jocteur-Monrozier L, Hetier JM, Carballas T. 1997. ***Changes in the soil organic fractions of a tropical Alfisol fertlized with 15N-urea and***

cropped to maize or pasture. Plant Soil. 195:151-160.
Notes**: #**5577

Goodman MM. 1995. Maize. In: Smartt J, Simmonds NW, editors***. Evolution of Crop Plants.*** London: Longman Scientific & Technical. p192–202.
Notes**:** #12162

Goswami NN, Kamath MB, Santoso D. 1990. ***Phosphorus requirements and management of maize, sorghum, and wheat. In:Phosphorus requirements for sustainable agriculture in Asia and Oceania. P.O Box 933, Manila, Philippines: International Rice Research Institute*** (IRRI). p 349-360.
Notes**:** Shelf 25.2 #16056 > #16081

Gotway CA, Ferguson RB, Hergert GW. 1996. ***The effects of mapping and scale on variable rate fertilizer recommendations for corn.*** In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 321-330.
Notes**:** S 11.4 #14747 > #14961

Gowda PH, Baumhardt RL, Esparza AM, Marek TH, Howell TA. 2007. ***Suitability of Cotton as an Alternative Crop in the Ogallala Aquifer Region.*** Agron.J. 99(6):1397-1403.
Notes**:** #17855e

Graeff S, Claupein W. 2003. ***Quantifying nitrogen status of corn (***Zea mays ***L.) in the field by reflectance measurements***. Eur.J.Agron. 19:611-618.
Notes**:** #15167e

Graham RL, Nelson R, Sheehan J, Perlack RD, Wright LL. 2007. ***Current and Potential U.S. Corn Stover Supplies.*** Agron.J. 99(1):1-11.
Notes**:** #17686e

Grant RF, Arkebauer TJ, Dobermann A, Hubbard KG, Schimelfenig TT, Suyker AE, Verma SB, Walters DT. 2007. ***Net Biome Productivity of Irrigated and Rainfed Maize Soybean Rotations: Modeling vs. Measurements***. Agron.J. 99(6):1404-1423.
Notes**:** #17856e

Grigera MS, Drijber R, Wienhold BJ. 2007***. Increased abundance of arbuscular mycorrhizal fungi in soil coincides with the reproductive stages of maize***. Soil Biol.Biochem. 39:1401-1409.
Notes**:** #16169e

Guerena A, Ruiz-Ramos M, az-Ambrona CH, Conde JR, Minguez MI. 2001. ***Assessment of Climate Change and Agriculture in Spain Using Climate***

Models. Agron.J. 93(1):237-249.
Notes**:** #16585e / CD# 98

Gulati A, Dixon J, (eds.). Gulati, Dixon. 2008. ***Maize in Asia. Changing markets and incentives***. New Delhi, India: Academic Foundation, New Delhi in association with IFPRI, CIMMYT and IFAD. p 1-489.
Notes**:** S 8.2.2 #15889

Gungula DT, Kling JG, Togun AO. 2003***. CERES-Maize Predictions of Maize Phenology under Nitrogen-Stressed Conditions in Nigeria***. Agron.J. 95(4):892-899.
Notes**:** #16990e

Györi Z, Jászberényi I, Palenscár AJ, Loch J. 1999. ***Improving crop quality throught balanced nutrient management.*** In: Johnston AE, Maibaum W, editors. Balanced Fertilization and Crop Response to Potassium. Proceedings of the International Symposium of the Soil and Water Research Institute, Tehran, I.R. Iran, 15–18 May 1999. Basel, Switzerland: International Potash Institute. p199–216.
Notes**:** #12521

H

Hadas A, Rawitz E, Etkin H, Margolin M. 1994. ***Short-term variations of soil physical properties as a function of the amount and C/N ratio of decomposing cotton residues. 1. Soil aggregation and aggregate tensile strength.*** Soil Till.Res. 32:183-198.
Notes**:** #13550

Haller T, Stolp H. 1985. ***Quantitative estimation of root exudation of maize plants***. Plant Soil. 86:207-216.
Notes**:** 210 - NT NOTES: Includes 14 s

Halvorson AD, Follett RF, Bartolo ME, Schweissing FC. 2002. ***Nitrogen Fertilizer Use Efficiency of Furrow-Irrigated Onion and Corn. Agron.J. 94(3):442-449.***
Notes: #16787e

Halvorson AD, Mosier AR, Reule CA, Bausch WC. 2006. ***Nitrogen and Tillage Effects on Irrigated Continuous Corn Yields.*** Agron.J. 98(1):63-71.
Notes**:** #17499e

Halvorson AD, Peterson GA, Reule CA. 2002***. Tillage System and Crop Rotation Effects on Dryland Crop Yields and Soil Carbon in the Central Great Plains.*** Agron.J. 94(6):1429-1436.
Notes**:** #16897e

Halvorson AD, Reule CA. 2006. ***Irrigated Corn and Soybean Response to Nitrogen under No-Till in Northern Colorado***. Agron.J. 98(5):1367-1374.
Notes**:** #17649e

Halvorson AD, Reule CA. 2007***. Irrigated, No-Till Corn and Barley Response to Nitrogen in Northern Colorado.*** *Agron.*J. 99(6):1521-1529.
Notes**:** #17686e

Halvorson AD, Schweissing FC, Bartolo ME, Reule CA. 2005. ***Corn Response to Nitrogen Fertilization in a Soil with High Residual Nitrogen.*** Agron.J. 97(4):1222-1229.
Notes**:** #17419e

Haneklaus S, Schroeder D, Schug E. 1996. ***Strategies for fertilizer recommendations based on digital agro resource maps.*** In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 361-368.
Notes**:** S 11.4 #14747 > #14966

Hansen DJ, Blackmer AM, Mallarino AP, Wuebker MA. 2004. ***Performance-Based Evaluations of Guidelines for Nitrogen Fertilizer Application after Animal Manure***. Agron.J. 96(1):34-41.
Notes**:** #17086e

Hanson RG, Sudjadi M, Hardjono A, Sudaryanto T, Dahnke W. 1994***. Soil fertility and fertilizer use study in Indonesia***.:1-110.
Notes**:** #8845e

Hanway JJ , Olson RA. 1980***. Phosphate nutrition of corn, sorghum, soybeans, and small grains. In: editors, editor. Proceedings of a symposium on The role of phosphorus in agriculture***. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 681-692.
Notes**:** # 14739 in S 2.8.1.2 #14717

Härdter R. 1989. ***Utilization of Nitrogen and Phosphorus by Intercropping and Sole Cropping Systems of Maize (Zea mays L.) and Cowpea (Vigna unguiculata L.)*** on an alfisol in Northern Ghana. Weikersheim, Germany: Margraf Scientifc Publishers. p201.
Notes**:** S 8.2.2 # 11327

Harrington LW. 1987***. Farm Level Profitability of Fertilizer on Maize in Thailand***.
Notes**:** # 7504 (Serials)

Harris D, Rashid R. 2007*. **'On-farm' Seed Priming with Zinc in Maize, Wheat and Chickpea. In: Zinc Crops 2007 Improving crop production and human health***, 24-26 May 2007, Istanbul, Turkey. 2007 International Zinc Association

(IZA) / International Fertilizer Industry Association (IFA): Brussel, Belgium. p 1-2.
Notes**:** #16422e (abstract presented at Zinc Crops 2007 #16470e)

Hartkamp AD, White JW, Aguilar AR, Bänziger M, Srinivasan G, Granados G, Crossa J. 2000. ***Maize production environments revisited. A GIS-based approach***. Mexico: CIMMYT. p 1-33.
Notes**:** H 8.2.2 #14865e

Hashemi AM, Herbert SJ, Putnam DH. 2005. ***Yield Response of Corn to Crowding Stress***. Agron.J. 97(3):839-846.
Notes**:** #17404e

Hatfield JL, Prueger JH, Kustas WP. 2007. ***Spatial and Temporal Variation of Energy and Carbon Fluxes in Central Iowa***. Agron.J. 99(1):285-296.
Notes**:** #17719e

Hawkins JA, Sawyer JE, Barker DW, Lundvall JP. 2007. ***Using Relative Chlorophyll Meter Values to Determine Nitrogen Application Rates for Corn.*** Agron.J. 99(4):1034-1040.
Notes**:** #17809e

Heckman JR, Jokela W, Morris T, Beegle DB, Sims JT, Coale FJ, Herbert S, Griffin T, Hoskins B, Jemison J, Sullivan WM, Bhumbla D, Estes G, Reid WS. 2006. ***Soil Test Calibration for Predicting Corn Response to Phosphorus in the Northeast USA***. Agron.J. 98(2):280-288.
Notes**:** #17527e

Heckman JR, Sims JT, Beegle DB, Coale FJ, Herbert SJ, Bruulsema TW, Bamka WJ. 2003***. Nutrient Removal by Corn Grain Harvest.*** Agron.J. 95(3):587-591.
Notes**:** #16964e

Helentjaris T, Slocum M, Wright S, Schaefer A, Nienhuis J. 1986***. Construction of genetic linkage maps in maize and tomato using restriction fragment length polymorphisms***. Theoretical and Applied Genetics. 72:761-769.
Notes**:** H 2.1.2 #5399

Helentjaris T. 1987***. A genetic linkage map for maize based on RFLPs. Trends in Genetics***. 3:217-221.
Notes**:** H 2.1.2 #5398

Helmers GA, Yamoah CF, Varvel GE. 2001. ***Separating the Impacts of Crop Diversification and Rotations on Risk.*** Agron.J. 93(6):1337-1340.
Notes**:** #16722e

Hendrix BJ, Young BG, Chong SK. 2004***. Weed management in strip tillage corn***. Agron.J. 96(1):229-235.
Notes**:** #15959e

Hergert GW, Ferguson RB, Gotway CA, Peterson TA. 1996. ***The impact of variable rate N application on N use efficiency of furrow irrigated corn.*** In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 389-397.
Notes**:** S 11.4 #14747 > #14968

Herrmann A, Taube F. 2004. ***The Range of the Critical Nitrogen Dilution Curve for Maize (Zea mays L.) Can Be Extended Until Silage Maturity.*** Agron.J. 96(4):1131-1138.
Notes**:** #17211e

Herrmann A, Taube F. 2005. ***Nitrogen Concentration at Maturity--An Indicator of Nitrogen Status in Forage Maize.*** Agron.J. 97(1):201-210.
Notes**:** #17318e

Hitsuda K, Yamada M, Klepker D. 2005. ***Sulfur Requirement of Eight Crops at Early Stages of Growth.*** Agron.J. 97:155-159.
Notes**:** #14524e
Corresponding author: koki5025@jircas.affrc.go.jp

Hively WD, Cox WJ. 2001. ***Interseeding Cover Crops into Soybean and Subsequent Corn Yields.*** Agron.J. 93(2):308-313.
Notes**:** #16592e CD# 98

Hoffmann R. 1983***. Fertilizer Trial, Teluk Dalam, L III. Trial Data on Maize (Var. Arjuno***).
Notes**:** H 21.1 #4408

Hong N, White JG, Gumpertz ML, Weisz R. 2005. ***Spatial Analysis of Precision Agriculture Treatments in Randomized Complete Blocks: Guidelines for Covariance Model Selection.*** Agron.J. 97(4):1082-1096.
Notes**:** #17424e

Hong N, White JG, Weisz R, Crozier CR, Gumpertz ML, Cassel DK. 2006. ***Remote Sensing-Informed Variable-Rate Nitrogen Management of Wheat and Corn: Agronomic and Groundwater Outcomes***. Agron.J. 98(2):327-338.
Notes**:** #17532e

Houot S, Chaussod R. 1995***. Impact of Agricultural Practices on the Size and Activity of the Microbial Biomass in a Long-Term Field Experiment***. Biol.Fertil.Soils. 19:309-316.
Note: # 13601

Howard DD, Essington ME, Logan J. 2002***. Long-Term Broadcast and Banded Phosphorus Fertilization of Corn Produced Using Two Tillage Systems***. Agron.J. 94(1):51-56.
Notes**:** #16740e

Howard DD, Gwathmey CO, Essington ME, Roberts RK, Mullen MD. 2001. ***Nitrogen fertilization of no-till cotton on loess-derived soils.*** Agron.J. 93(1):157-163.
Notes: #15958e

Howard DD, Gwathmey CO, Essington ME, Roberts RK, Mullen MD. 2001. ***Nitrogen Fertilization of No-Till Cotton on Loess-Derived Soils.*** Agron.J. 93(1):157-163.
Notes: #16575e / CD# 98

Howeler RH. 1983. ***Análisis del Tejido Vegetal en el Diagnóstico de Problemas Nutricionales: Algunos Cultivos Tropicales***. Cali, Colombia: Centro Internacional de Agricultura Tropical (CIAT). p28.
Notes: H 2.5 # 6439

Howell TA, Tolk JA, Schneider AD, Evett SR. 1998. ***Evapotranspiration, yield, and water use efficiency of corn hybrids differing in maturity.*** Agron.J. 90(1):3-9.
Notes: 14483e

Hubbard KG, Wu H. 2005. ***Modification of a Crop-Specific Drought Index for Simulating Corn Yield in Wet Years***. Agron.J. 97(6):1478-1484.
Notes: #17470e

Huggins DR, Randall GW, Russelle MP. 2001. ***Subsurface Drain Losses of Water and Nitrate following Conversion of Perennials to Row Crops***. Agron.J. 93(3):477-486.
Notes: #16616e

Hummel JW , Yu J. 1999. ***Spectral reflectance pattern recognition for segmenting corn plants and weeds.*** In:Precision Agriculture - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part B). United States of America: America Society of Agronomy, Crop Science Society of America, Soil Science Society of America. p 1523-1536.
Notes: S 11.4 #15557

Hurley TM, Malzer GL, Kilian B. 2004. ***Estimating Site-Specific Nitrogen Crop Response Functions: A Conceptual Framework and Geostatistical Model***. Agron.J. 96(5):1331-1343.
Notes: #17235e

I

IAS, PPI. 1997. ***Nutrient and water management for crops in uplands of South Vietnam***. Abstracts. In: Nutrient and water management for crops in uplands of South Vietnam.Ho Chi Minh City, 16-17 January 1997.
Notes: H 26.1.10 #12735e

IAS, SCPA. 1992***. Effects of potash fertilizer on main crops growing on three major soil groups in South Vietnam.***
Notes**:** S 26.1.10 # 12062

Ibrikci H, Ryan J, Ulger AC, Buyuk G, Cakier B, Korkmaz K, Karnez E, Ozgenturk G, Konuskan O. 2005***. Maintenance of phosphorus fertilizer and residual phosphorus effect on corn production.*** Nutr.Cycl.Agroecosyst.(72):279-286.
Notes**:** #15015e

Inman D, Khosla R, Reich R, Westfall DG. 2008***. Normalized Difference Vegetation Index and Soil Color-Based Management Zones in Irrigated Maize***. Agron.J. 100(1):60-66.
Notes**:** #17902e

Inman D, Khosla R, Westfall DG, Reich R. 2005. ***Nitrogen Uptake across Site Specific Management Zones in Irrigated Corn Production Systems***. Agron.J. 97(1):169-176.
Notes**:** #17315e

IPNI. 2008. ***A practical guide to site-specific nutrient management for maize in tropical, favorable environments***. Draft 01, 11 March 2008.
Notes**:** #15853

Isaac L, Shannon DA, Wood CW. 2004. ***Hedgerow Pruning Management Effects on Maize Yield and Nitrogen Uptake in an Alley Cropping System in Haiti.*** Agron.J. 96(6):1632-1640.
Notes**:** #17271e

Ishizuka Y. 1978. ***Nutrient Deficiencies of Crops***. Taipei: Food and Fertilizer Technology Center. p100.
Notes**:** S 2.5 # 580

Ismunadji M, Makarim AK. 1987. ***Urea: experience on arable crops.*** In: Conference Name: Urea-Tech '87.International Symposium on Urea Technology and Utilization. Kuala Lumpur, Malaysia, 16-19 March 1987.
Notes**:** H 21.5 #5545

Ismunadji M. 1978. ***Utilization of Cereal Crop Residues and its Agricultural Significance in Indonesia***. Bogor, Indonesia: Central Research Institute for Agriculture. p14.
Notes**:** H 8.2 # 3387

Ismunadji M. 1989. ***Peranan kalium dalam peningkatan produksi tanaman palawija***. In: Conference Name: Disajikan pada Rapat Konsultasi Pemupukan Berimbang pada Tanaman Pangan. Ciloto (Cianjur), 9-11 August 1989.
Notes**:** H 21.2 #4924 in Bahasa Indonesia

J

Jahiruddin M, Hossain MA, Islam MR, Islam MF. 2007. ***Requirements of zinc for some major crops and cropping patterns in Bangladesh. In: Zinc Crops 2007 Improving crop production and human health,*** 24-26 May 2007, Istanbul, Turkey. 2007 International Zinc Association (IZA) / International Fertilizer Industry Association (IFA): Brussel, Belgium. p 1-2.
Notes**:** #16443e (abstract presented at Zinc Crops 2007 #16470e)

Jaynes DB, Colvin TS. 2006. ***Corn Yield and Nitrate Loss in Subsurface Drainage from Midseason Nitrogen Fertilizer Application***. Agron.J. 98(6):1479-1487.
Notes**:** #17662e

Jaynes DB, Kaspar TC, Colvin TS, James DE. 2003***. Cluster Analysis of Spatiotemporal Corn Yield Patterns in an Iowa Field.*** Agron.J. 95(3):574-586.
Notes**:** #16963e

Jaynes DB. 1996. ***Improved soil sampling using electromagnetic induction surveys***. In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 169-179.
Notes**:** S 11.4 #14747 > #14944

Jescke M, Doerge T. 2007. ***Management of foliar diseases in corn with fungicides.*** Crop Insights. 17(14):1-4.
Notes**:** #16230e

Jiang P, Kitchen NR, Anderson SH, Sadler EJ, Sudduth KA. 2008. ***Estimating Plant-Available Water Using the Simple Inverse Yield Model for Claypan Landscapes.*** Agron.J. 100(3):830-836.
Notes**:** #18006e

Jiang P, Thelen KD. 2004***. Effect of Soil and Topographic Properties on Crop Yield in a North-Central Corn-Soybean Cropping System.*** Agron.J. 96(1):252-258.
Notes**:** #17111e

Jittanoonta D. 2001. ***Recent Agricultural and Fertilizer Developments in Thailand***. IFA: Ha Noi, Vietnam. p 16.
Notes**:** Conference Name: 2001 IFA Regional Conference for Asia and The Pacific - Ha Noi, Viet Nam, 10-13 December 2001
H 26.1.9 #11852

Johnson CK, Mortensen DA, Wienhold BJ, Shanahan JF, Doran JW. 2003***. Site-Specific Management Zones Based on Soil Electrical Conductivity in a***

Semiarid Cropping System. Agron.J. 95(2):303-315.
Notes**:** #16933e

Johnson JW, Reetz HF. 1995***. Adequate soil potassium increases nitrogen use efficiency by corn***. Better Crops. 79(4):16–17
Notes**:** S 8.2.2.1 # 7418

Jones JBJr, Eck HV, Voss R. 1990. ***Plant Analysis as an Aid in Fertilizing Corn and Grain Sorghum. In: Westerman RL, editor. SSSA Book Series: 3 – Soil Testing and Plant Analysis***. Madison, WI, USA: Soil Science Society of America. p521–547.
Notes**:** S 3.1 :# 7725

Jones MJ. 1986. ***Maize population densities and spacings in Botswana***. Tropical Agriculture (Trinidad). 63:25–29
Notes**:** H 8.2.2 # 2743

Jordan DL, Bailey JE, Barnes JS, Bogle CR, Bullen SG, Brown AB, Edmisten KL, Dunphy EJ, Johnson PD. 2002. ***Yield and Economic Return of Ten Peanut-Based Cropping Systems.*** Agron.J. 94(6):1289-1294.
Notes**:** #16879e

Joshi PK, Singh NP, Singh NN, Gerpacio RV, Pingali PL. 2005***. Maize in India. Production systems, constraints, and research priorities***.:1-42.
Notes**:** H 8.2.2; #14568e

K

Kabaluk JT, Ericsson JD. 2007. ***Metarhizium anisopliae Seed Treatment Increases Yield of Field Corn When Applied for Wireworm Control.*** Agron.J. 99(5):1377-1381.
Notes**:** #17852e

Kachanoski RG, Fairchild GL, Beauchamp EG. 1996***. Yield indices for corn response to applied fertilizer: application in site-specific crop management***. In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 425-432.
Notes**:** S 11.4 #14747 > #14972

Kadi ME. 1999. ***Balanced nutrient management with potassium in relieving drought and salinity stress of crops raised under the conditions of the deserts soils of Egypt.*** In: Johnston AE, Maibaum W, editors. Balanced Fertilization and Crop Response to Potassium. Proceedings of the International Symposium of the Soil and Water Research Institute, Tehran, I.R. Iran, 15–18 May 1999. Basel, Switzerland:

International Potash Institute. p277–281.
Notes: #12528

Kahdemi Z, Balali MR, Malakouti MJ. 1999. ***Corn yield and potassium uptake related to potassium fertilizer rate***. In: Johnston AE, Maibaum W, editors. Balanced Fertilization and Crop Response to Potassium. Proceedings of the International Symposium of the Soil and Water Research Institute, Tehran, I.R. Iran, 15–18 May 1999. Basel, Switzerland: International Potash Institute. p169–173.
Notes: 03/04/04
CallNumber: 12517

Kaiser DE, Mallarino AP, Bermudez M. 2005. ***Corn Grain Yield, Early Growth, and Early Nutrient Uptake as Affected by Broadcast and In-Furrow Starter Fertilization.*** Agron.J. 97(2):620-626.
Notes: #17369e

Kang BT, Wilson GF, Sipkens L. 1981. ***Alley Cropping Maize (Zea mays L.) and Leucaena*** (***Leucaena leucocepphala*** Lam) in Southern Nigeria. Plant Soil. 63:165-179.
Notes: H 1.7.4 # 4968

Kanwar JS , Youngdahl LJ. 1985. ***Micronutrient needs of tropical food crops***. In:Fertilizer Research. Dordrecht, The Netherlands: Martinus Nijhoff/Dr W. Junk Publishers. p43–67.
Notes: S 2.8.1.3 # 8215

Karlen DL, Andrews SS, Colvin TS, Jaynes DB, Berry EC. 1999. ***Spatial and temporal variability in corn growth, development, insect pressure and yield.*** In:Precision Agriculture - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part A). United States of America: America Society of Agronomy, Crop Science Society of America, Soil Science Society of America. p 101-112.
Notes: S 11.4 #15450

Karlen DL, Cambardella CA, Bull CT, Chase CA, Gibson LR, Delate K. 2007. ***Producer-Researcher Interactions in On-Farm Research: A Case Study on Developing a Certified Organic Research Site.*** Agron.J. 99(3):779-790.
Notes: #17782e

Karlen DL, Dinnes DL, Jaynes DB, Hurburgh CR, Cambardella CA, Colvin TS, Rippke GR. 2005. ***Corn Response to Late-Spring Nitrogen Management in the Walnut Creek Watershed***. Agron.J. 97(4):1054-1061.
Notes: #17418e

Karlen DL, Hurley EG, Andrews SS, Cambardella CA, Meek DW, Duffy MD, Mallarino AP. 2006. ***Crop Rotation Effects on Soil Quality at Three***

Northern Corn/Soybean Belt Locations. Agron.J. 98(3):484-495.
Notes**:** #17549e

Karlen DL, Kramer LA, Logsdon SD. 1998. ***Field-scale nitrogen balances associated with long-term continuous corn production***. Agron.J. 90(5):644-650.
Notes**:** 14489e

Karsten HD, Roth GW, Muller LD. 2003***. Evaluation of Corn Hybrids at Two Stages of Development for Grazing Heifers***. Agron.J. 95(4):870-877.
Notes**:** #16987e

Kartaatmadja S. 2005***. Recent developments in site-specific nutrient management for rice, maize and oil palm in Indonesia***. In: 73rd IFA Annual Conference, Kuala Lumpur, 6-8 June 2005. International Fertilizer Industry Association (IFA): p 1-15.
Notes**:** #15637e

Kasijadi F, Suyamto, Sugianto M. editors. 2000. Rakitan Teknologi Budidaya: Padi, Jagung dan Kedelai - Spesifik Lokasi Mendukung Gema Palagung di Jawa Timur. Malang, Indonesia: Balai Pengkajian Teknologi Pertanian Karangploso. p44.
Notes**:** #8618e

Kaspar TC, Pulido DJ, Fenton TE, Colvin TS, Karlen DL, Jaynes DB, Meek DW. 2004. ***Relationship of Corn and Soybean Yield to Soil and Terrain Properties.*** Agron.J. 96(3):700-709.
Notes**:** #17167e

Katsvairo T, Cox WJ, van Es H. 2002. ***Tillage and Rotation Effects on Soil Physical Characteristics.*** Agron.J. 94(2):299-304.
Notes**:** #16767e

Katsvairo TW, Cox WJ, Van Es HM, Glos M. 2003. ***Spatial Yield Response of Two Corn Hybrids at Two Nitrogen Levels.*** Agron.J. 95(4):1012-1022.
Notes**:** #17004e

Katsvairo TW, Cox WJ, Van Es HM. 2003. ***Spatial Growth and Nitrogen Uptake Variability of Corn at Two Nitrogen Levels.*** Agron.J. 95(4):1000-1011.
Notes**:** #17003e

Kayuki KC, Wortmann CS. 2001***. Plant Materials for Soil Fertility Management in Subhumid Tropical Areas.*** Agron.J. 93(4):929-935.
Notes**:** #16666e

Kelley KW, Sweeney DW. 2007***. Placement of Preplant Liquid Nitrogen and Phosphorus Fertilizer and Nitrogen Rate Affects No-Till Wheat Following Different Summer Crops***. Agron.J. 99(4):1009-1017.
Notes**:** #17806e

Kemanian AR, Stockle CO, Huggins DR. 2007. ***Estimating Grain and Straw Nitrogen Concentration in Grain Crops Based on Aboveground Nitrogen Concentration and Harvest Index.*** Agron.J. 99(1):158-165.
Notes**:** #17706e

Kemmler G. 1979. ***Significance of Long-Term Experiments for Determination of Potash Fertilizer Requirements.*** In: Conference Name: Proceedings of the International Workshop on the Role of Potassium in Crop Production. National Research Centre: Cairo, Egypt, 1979. p 81-88.
Notes**:** H 21.2 # 6363

Ketterings QM, Cherney JH, Godwin G, Kilcer TF, Barney P, Beer S. 2007***. Nitrogen Management of Brown Midrib Sorghum x Sudangrass in the Northeastern USA***. Agron.J. 99(5):1345-1351.
Notes**:** #17848e

Khakural BR, Robert PC, Mulla DJ. 1996. ***Relating corn/soybean yield to variability in soil and landscape characteristics.*** In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 117-128.
Notes**:** S 11.4 #14747 > #14938

Khiari L, Parent LE, Tremblay N. 2001. ***Critical Compositional Nutrient Indexes for Sweet Corn at Early Growth Stage***. Agron.J. 93(4):809-814.
Notes**:** #16649e

Khiari L, Parent LE, Tremblay N. 2001. ***Selecting the High-Yield Subpopulation for Diagnosing Nutrient Imbalance in Crops.*** Agron.J. 93(4):802-808.
Notes**:** #16648e

Khuong TQ. 2008***. Improving of maize yield and profitability through site-specific nutrient management (SSNM) and planting density.*** Omonrice. 16:88-92.
Notes**:** #15941e

Kim KI, Clay DE, Carlson CG, Clay SA, Trooien T. 2008. ***Do Synergistic Relationships between Nitrogen and Water Influence the Ability of Corn to Use Nitrogen Derived from Fertilizer and Soil?*** Agron.J. 100(3):551-556.
Notes**:** #17967e

Kindu Mekonnen, Buresh RJ, Bashir Jama. 1997. ***Root and Inorganic Nitrogen Distributions in Sesbania Fallow, Natural Fallow and Maize Fields.*** Plant Soil. 188:319-327.
Notes**:** H 1.7.4 #3650

Kitchen NR, Drummond ST, Lund ED, Sudduth KA, Buchleiter GW. 2003***. Soil Electrical Conductivity and Topography Related to Yield for Three Contrasting Soil-Crop Systems***. Agron.J. 95(3):483-495.
Notes**:** #16954e

Kladivko EJ, Willoughby GL, Santini JB. 2005. ***Corn Growth and Yield Response to Subsurface Drain Spacing on Clermont Silt Loam Soil.*** Agron.J. 97(5):1419-1428.
Notes**:** #17462e

Klapwyk JH, Ketterings QM. 2006***. Soil Tests for Predicting Corn Response to Nitrogen Fertilizer in New York.*** Agron.J. 98(3):675-681.
Notes**:** #17570e

Knapp WHC. 1930. ***Economic Fertilizing in the Tropics***.:359
Notes**:** S 26.1.3 #9074

Knezevic SZ, Evans SP, Mainz M. 2003***. Yield penalty due to delayed weed control in corn and soybean.*** Crop Management.:1-7.
Notes**:** #10837e

Koch B, Khosla R, Frasier WM, Westfall DG, Inman D. 2004***. Economic Feasibility of Variable-Rate Nitrogen Application Utilizing Site-Specific Management Zones.*** Agron.J. 96(6):1572-1580.
Notes**:** #17265e

Kovacevic V, Komljenovic I, Markovic M. 2007. ***Influences of phosphorus fertilization on zinc status in maize. In: Zinc Crops 2007 Improving crop production and human health***, 24-26 May 2007, Istanbul, Turkey. 2007 International Zinc Association (IZA) / International Fertilizer Industry Association (IFA): Brussel, Belgium. p 1-2.
Notes**:** #16447e (abstract presented at Zinc Crops 2007 #16470e)

Kozak JA, Ma L, Ahuja LR, Flerchinger G, Nielsen DC. 2006***. Evaluating Various Water Stress Calculations in RZWQM and RZ-SHAW for Corn and Soybean Production***. Agron.J. 98(4):1146-1155.
Notes**:** #17624e

Kraffczyk I, Trolldenier G, Beringer H. 1984. ***Soluble root exudates of maize: influence of potassium supply and rhizosphere microorganisms.*** Soil Biol.Biochem. 16:315-322.
Notes**:** 217 - NT NOTES: Includes 31 s

Krantz BA , Melsted SW. 1964. ***Nutrient deficiencies in corn, sorghums, and small grains. In: Sprague HB, editor. Hunger signs in crops***: A symposium. New York, N.Y.: David McKay Company. p 25-57.
Notes**:** Third Edition

Kravchenko AG, Thelen KD. 2007. ***Effect of Winter Wheat Crop Residue on No-Till Corn Growth and Development.*** Agron.J. 99(2):549-555.
Notes**:** #17751e

Kravchenko AN, Robertson GP, Thelen KD, Harwood RR. 2005. ***Management, Topographical, and Weather Effects on Spatial Variability of Crop Grain Yields***. Agron.J. 97(2):514-523.
Notes**:** #17357e

Kravchenko AN, Thelen KD, Bullock DG, Miller NR. 2003. ***Relationship among Crop Grain Yield, Topography, and Soil Electrical Conductivity Studied with Cross-Correlograms.*** Agron.J. 95(5):1132-1139.
Notes**:** #17018e

Krupinsky JM, Merrill SD, Tanaka DL, Liebig MA, Lares MT, Hanson JD. 2007***. Crop Residue Coverage of Soil Influenced by Crop Sequence in a No-Till System.*** Agron.J. 99(4):921-930.
Notes**:** #17796e

Krupinsky JM, Tanaka DL, Merrill SD, Liebig MA, Lares MT, Hanson JD. 2007***. Crop Sequence Effects on Leaf Spot Diseases of No-Till Spring Wheat***. Agron.J. 99(4):912-920.
Notes**:** #17795e

Kucharik CJ. 2006***. A multidecadal trend of earlier corn planting in the Central USA***. Agron.J. 98(6):1544-1550.
Notes**:** #15891e

Kucharik CJ. 2008***. Contribution of Planting Date Trends to Increased Maize Yields in the Central United States.*** Agron.J. 100(2):328-336.
Notes**:** #17936e

Kuo S, Jellum EJ. 2002***. Influence of Winter Cover Crop and Residue Management on Soil Nitrogen Availability and Corn.*** Agron.J. 94(3):501-508.
Notes**:** #16794e

Kurle JE, Grau CR, Oplinger ES, Mengistu A. 2001***. Tillage, Crop Sequence, and Cultivar Effects on Sclerotinia Stem Rot Incidence and Yield in Soybean***. Agron.J. 93(5):973-982.
Notes**:** #16672e

Kwaw-Mensah D, Al-Kaisi M. 2006. ***Tillage and Nitrogen Source and Rate Effects on Corn Response in Corn-Soybean Rotation.*** Agron.J. 98(3):507-513.
Notes**:** #17551e

Kyveryga PM, Blackmer AM, Morris TF. 2007***. Alternative Benchmarks for Economically Optimal Rates of Nitrogen Fertilization for Corn.*** Agron.J.

99(4):1057-1065.
Notes**:** #17812e

Kyveryga PM, Blackmer AM, Morris TF. 2007***. Disaggregating Model Bias and Variability when Calculating Economic Optimum Rates of Nitrogen Fertilization for Corn.*** Agron.J. 99(4):1048-1056.
Notes**:** #17811e

L

Labios RV, Duldulao VA, Arceo AJ. editors. 2004. ***Integrated crop management (ICM). Module & manual. Corn.*** Quezon City: The Department of Agriculture (DA), Agricultural Training Institute (ATI), Bureau of Agriculture Research (BAR) and National Corn RDE Network, University of The Philippines Los Banos. p 1-379.
Notes**:** 8.2.2; #14571

Labios RV, Labois JD, Medina E. 2004***. Conducting corn on-farm research and outreach***. Quezon City: Agricultural Systems Cluster, College of Agriculture, University of the Philippines Los Baños; Bureau of Agricultural Research, Department of Agriculture. p 1-75.
Notes: H 8.2.2 #12428

Labios RV, Ocampo A, Gines HC, Labios JD, Descalsota JC, Witt C, Pasuquin JMCA. 2007. ***Site-specific nutrient management for maize grown in paddy fields***. In: Proceedings of the 37th Crop Science Society of the Philippines (CSSP) Conference, Tagaytay City, Philippines, July 2007.
Notes**:** #15858

Labios RV, Ocampo A, Gines HC, Lapoot CR, Tumamang SC, Pasuquin JMCA, Witt C. 2006. ***Site-specific nutrient management for maize in the Philippines - Workshop proceedings.*** Proceedings of the 36th Crop Science Society of the Philippines (CSSP) Conference, Puerto Princesa, Philippines, 8-12 May 2006.
Notes**:** #15855

Labois RV, Labois JD, Tamsin JrLL. 2006. ***Integrated corn production system in paddy fields***. Laguna: University of the Philippines Los Baños. p 1-57.
Notes**:** S 8.2.2 #15018

Lamb JA, Anderson JL, Rehm GW, Dowdy RH. 1996. ***Grain yield stability in continuous corn and corn-soybean cropping systems on a sandy landscape***. In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 417-424.
Notes**:** S 11.4 #14747 > #14971

Lambert DM, Lowenberg-DeBoer J, Malzer GL. 2006. ***Economic Analysis of Spatial-Temporal Patterns in Corn and Soybean Response to Nitrogen and Phosphorus***. Agron.J. 98(1):43-54.
Notes**:** #17497e

Lambert DM, Lowenberg-DeBoer J. 2003***. Economic Analysis of Row Spacing for Corn and Soybean.*** Agron.J. 95(3):564-573.
Notes**:** #16962e

Lamond R, Martin V, Olsen C, Rector K. 2000***. Chloride fertilization increases yields of corn and grain sorghum.*** Better Crops. 84(4):10–11
Notes**:** #8767

Lamond RE, Gordon WB, Fjell DL. 1995. ***Starter fertilizer/hybrid interactions in no-till corn and grain sorghum***. Better Crops. 79(3):16–17
Notes**:** Label: 8.2.2.1 #7422

Lapoot CR, Flores MA, Pueblos JL, Mercado L, Salvani JB, Maghanoy JrCM, Ocampo A, Labios RV, Pasuquin JMCA, Witt C. 2007. ***Site-specific nutrient management for corn in Bukidnon, Northern Mindanao.*** In: Paper presented during the Agency In-Inhouse Research and Development Review on June 21, 2007, NOMIARC, Dalwangan, Malaybalay City.
Notes**:** #15857

Lark RM , Stafford JV. 1996. ***Consistency and change in spatial variability of crop yield over successive seasons: methods of data analysis.*** In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 141-149.
Notes**:** S 11.4 #14747 > #14941

Lauer JG, Rankin M. 2004. ***Corn response to within row plant spacing variation***. Agron.J. 96:1464-1468.
Notes**:** H 8.2.2.3 #15000e

Lauer JG, Rankin M. 2004. ***Corn Response to Within Row Plant Spacing Variation***. Agron.J. 96(5):1464-1468.
Notes**:** #17251e

Lauer JG, Roth GW, Bertram MG. 2004. ***Impact of Defoliation on Corn Forage Yield***. Agron.J. 96(5):1459-1463.
Notes**:** #17250e

Lauriault LM, Kirksey RE. 2004***. Yield and Nutritive Value of Irrigated Winter Cereal Forage Grass-Legume Intercrops in the Southern High Plains, USA***. Agron.J. 96(2):352-358.
Notes**:** #17124e

Lawrence JR, Ketterings QM, Cherney JH. 2008***. Effect of Nitrogen Application on Yield and Quality of Silage Corn after Forage Legume-Grass.*** Agron.J. 100(1):73-79.
Notes**:** #17904e

Lehman RM, Osborne SL, Rosentrater KA. 2008***. No differences in decomposition rates observed between Bacillus thuringiensis and Non-Bacillus thuringiensis corn residue incubated in the field.*** Agron.J. 100(1):163-168.
Notes**:** #15890e

Lehman RM, Osborne SL, Rosentrater KA. 2008***. No Evidence That Bacillus thuringiensis Genes and Their Products Influence the Susceptibility of Corn Residue to Decomposition***. Agron.J. 100(6):1687-1693.
Notes**:** #18029e

Lehrsch GA, Sojka RE, Westermann DT. 2000. ***Nitrogen Placement, Row Spacing, and Furrow Irrigation Water Positioning Effects on Corn Yield.*** Agron.J. 92(6):1266-1275.
Notes**:** 14503e

Lewis AL, Cox WJ, Cherney JH. 2004. ***Hybrid, Maturity, and Cutting Height Interactions on Corn Forage Yield and Quality.*** Agron.J. 96(1):267-274.
Notes**:** #17113e

Librero AR, Mamon CR, de Jesus CC, Santos CB. 1992***. CGPRT Crops in the Philippines: A Statistical Profile***, 1960-1990. Working Paper 12
Notes**:** S 26.1.7 #609

Licht MA, Al-Kaisi M. 2005. ***Corn Response, Nitrogen Uptake, and Water Use in Strip-Tillage Compared with No-Tillage and Chisel Plow***. Agron.J. 97(3):705-710.
Notes**:** #17385e

Lidon FC, Barreiro MG. 2002***. An overview into aluminum toxicity in maize***. Bulg.J.Plant Physiol. 28(3-4):96-112.
Notes**:** #15296e

Liebig MA, Varvel G, Doran J. 2001***. A Simple Performance-Based Index for Assessing Multiple Agroecosystem Functions.*** Agron.J. 93(2):313-318.
Notes**:** #16593e / CD# 98

Liebig MA, Varvel GE. 2003. ***Effects of Western Corn Belt Cropping Systems on Agroecosystem Functions.*** Agron.J. 95(2):316-322.
Notes**:** #16934e

Liebman M, Gibson LR, Sundberg DN, Heggenstaller AH, Westerman PR, Chase CA, Hartzler RG, Menalled FD, Davis AS, Dixon PM. 2008. ***Agronomic and Economic Performance Characteristics of Conventional and Low-External-Input Cropping Systems in the Central Corn Belt***. Agron.J.

100(3):600-610.
Notes**:** #17974e

Liedgens M, Richner W. 2001***. Minirhizotron Observations of the Spatial Distribution of the Maize Root System.*** Agron.J. 93(5):1097-1104.
Notes**:** #16689e

Liljeroth E, Kuikman P, van Veen JA. 1994. ***Carbon translocation to the rhizosphere of maize and wheat and influence on the turnover of native soil organic matter at different soil nitrogen levels***. Plant Soil. 161:233-240.
Notes**:** 5534

Limon-Ortega A, Govaerts B, Deckers J, Sayre KD. 2006. ***Soil aggregate and microbial biomass in a permanent bed wheat-maize planting system after 12 years***. Field Crops Res. 97:302-309.
Notes**:** #15127e

Limon-Ortega A, Sayre KD, Francis CA. 2000***. Wheat and maize yields in response to straw management and nitrogen under a bed planting system***. Agron.J. 92:295-302.
Notes**:** #14871e

Lincoln NE. 2006***. Ecological intensification project: Summary of weather, corn growth, and yields in 2006***.:1-6.
Notes**:** #15917e

Lindquist JL, Arkebauer TJ, Walters DT, Cassman KG, Dobermann A. 2005. ***Maize radiation use efficiency under optimal growth conditions.*** Agron.J. 97:72-78.
Notes**:** 14709e

Lisuma JB, Semoka JMR, Semu E. 2006***. Maize Yield Response and Nutrient Uptake after Micronutrient Application on a Volcanic*** Soil. Agron.J. 98(2):402-406.
Notes**:** #17539e

Lithourgidis AS, Matsi T, Barbayiannis N, Dordas CA. 2007***. Effect of Liquid Cattle Manure on Corn Yield, Composition, and Soil Properties.*** Agron.J. 99(4):1041-1047.
Notes**:** #17810e

Liu M, Yu Z, Liu Y, Konijn NT. 2006***. Fertilizer requirements for wheat and maize in China: the QUEFTS approach.*** Nutr.Cycl.Agroecosyst.(2006):245-258.
Notes**:** #14923e

Liu W, Tollenaar M, Stewart G, Deen W. 2004***. Impact of planter type, planting speed, and tillage on stand uniformity and yield of corn.*** Agron.J.

96:1668-1672.
Notes: H 8.2.2.3 #14999e

Liu W, Tollenaar M, Stewart G, Deen W. 2004. ***Impact of Planter Type, Planting Speed, and Tillage on Stand Uniformity and Yield of Corn.*** Agron.J. 96(6):1668-1672.
Notes: #17275e

Liu W, Tollenaar M, Stewart G, Deen W. 2004***. Within-Row Plant Spacing Variability Does Not Affect Corn Yield.*** Agron.J. 96(1):275-280.
Notes: #17114e

Lizaso JI, Batchelor WD, Boote KJ, Westgate ME, Rochette P, Moreno-Sotomayor A. 2005. ***Evaluating a Leaf-Level Canopy Assimilation Model Linked to CERES-Maize.*** Agron.J. 97(3):734-740.
Notes: #17389e

Lizaso JI, Batchelor WD, Boote KJ, Westgate ME. 2005***. Development of a Leaf-Level Canopy Assimilation Model for CERES-Maize.*** Agron.J. 97(3):722-733.
Notes: #17388e

Lizaso JI, Batchelor WD, Westgate ME. 2003***. A leaf area model to simulate cultivar-specific expansion and senescence of maize leaves***. Field Crops Res. 80:1-17.
Notes: #15254e

Loecke TD, Liebman M, Cambardella CA, Richard TL. 2004***. Corn Response to Composting and Time of Application of Solid Swine Manure.*** Agron.J. 96(1):214-223.
Notes: #17106e

Logsdon SD, Kaspar TC, Meek DW, Prueger JH. 2002***. Nitrate Leaching as Influenced by Cover Crops in Large Soil Monoliths***. Agron.J. 94(4):807-814.
Notes: #16819e

Lopez-Cedron FX, Boote KJ, Pineiro J, Sau F. 2008***. Improving the CERES-Maize Model Ability to Simulate Water Deficit Impact on Maize Production and Yield Components***. Agron.J. 100(2):296-307.
Notes: #17932e

Lorenz OA , Vittum MT. 1980. ***Phosphorus nutrition of vegetable crops and sugar beets***. In: editors, editor. Proceedings of a symposium on The role of phosphorus in agriculture. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 737-762.
Notes: # 14741 in S 2.8.1.2 #14717

Loria ER, Sawyer JE, Barker DW, Lundvall JP, Lorimor JC. 2007. ***Use of Anaerobically Digested Swine Manure as a Nitrogen Source in Corn Production***. Agron.J. 99(4):1119-1129.
Notes**:** #17819e

Lory JA, Scharf PC. 2003***. Yield goal versus delta yield for predicting fertilizer nitrogen need in corn***. Agron.J. 95:994-999.
Notes**:** H 8.2.2.1 #14993e

Lowenberg-DeBoer J. 1999***. Economics of variable rate planting for corn. In:Precision Agriculture*** - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part B). United States of America: America Society of Agronomy, Crop Science Society of America, Soil Science Society of America. p 1643-1652.
Notes**:** S 11.4 #11570

Ludwig B, Helfrich M, Flessa H. 2005. ***Modelling the long-term stabilization of carbon from maize in a silty soil.*** Plant Soil. 278:315-325.
Notes**:** #15016e

Luque SF, Cirilo AG, Otegui ME. 2006***. Genetic gains in grain yield and related physiological attributes in Argentine maize hybrids***. Field Crops Res. 95:383-397.
Notes**:** #15121e

Lyon DJ, Hammer GL, McLean GB, Blumenthal JM. 2003. ***Simulation Supplements Field Studies to Determine No-Till Dryland Corn Population Recommendations for Semiarid Western Nebraska***. Agron.J. 95(4):884-891.
Notes**:** #16989e

M

Ma BL, Subedi KD, Costa C. 2005***. Comparison of Crop-Based Indicators with Soil Nitrate Test for Corn Nitrogen Requirement.*** Agron.J. 97(2):462-471.
Notes**:** #17350e

Ma BL, Subedi KD, Liu A. 2006***. Variations in grain nitrogen removal associated with management practices in maize production***. Nutr.Cycl.Agroecosyst. 76:67-80.
Notes**:** #15120e

Ma BL, Subedi KD, Stewart DW, Dwyer LM. 2006. ***Dry Matter Accumulation and Silage Moisture Changes after Silking in Leafy and Dual-Purpose Corn Hybrids***. Agron.J. 98(4):922-929.
Notes**:** #17597e

Ma BL, Subedi KD, Zhang TQ. 2007. ***Pre-Sidedress Nitrate Test and Other Crop-Based Indicators for Fresh Market and Processing Sweet Corn***. Agron.J. 99(1):174-183.
Notes**:** #17708e

Machado S, Bynum Jr ED, Lascano RJ, Wilson LT, Bordovsky J, Segarra E, Bronson K, Nesmith DM, Xu W. 2002***. Spatial and temporal variability of corn growth and grain yield: implications for site-specific farming.*** Crop Sci. 42:1564-1576.
Notes**:** H 8.2.2.1 #15002e

Macmillan RA, Pettapiece WW, Watson LD, Goddard TW. 1999. ***A landform segemetation model for precision farming. In:Precision Agriculture*** - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part B). United States of America: America Society of Agronomy, Crop Science Society of America, Soil Science Society of America. p 1335-1346.
Notes**:** S 11.4 #15544

Macoon B, Woodard KR, Sollenberger LE, French EC, III, Portier KM, Graetz DA, Prine GM, Van Horn HH, Jr. 2002. ***Dairy Effluent Effects on Herbage Yield and Nutritive Value of Forage Cropping Systems.*** Agron.J. 94(5):1043-1049.
Notes**:** #16851e

Maddonni GA, Cirilo AG, Otegui ME. 2006. ***Row Width and Maize Grain Yield***. Agron.J. 98(6):1532-1543.
Notes**:** #17669e

Maddonni GA, Otegui ME. 2004. ***Intra-specific competition in maize: early establishment of hierarchies among plants affects final kernel set.*** Field Crops Res. 85:1-13.
Notes**:** #15242e

Maddonni GA, Otegui ME. 2006***. Intra-specific competition in maize: Contribution of extreme plant hierarchies to grain yield, grain yield components and kernel composition***. Field Crops Res. 97:155-166.
Notes**:** #15128e

Mahmood T, Azam F, Hussain F, Malik KA. 1997***. Carbon availability and microbial biomass in soil under an irrigated wheat-maize cropping system receiving different fertilizer treatments***. Biol.Fertil.Soils. 25:63-68.
Notes**:** 3027

MAIZE RELATED ARTICLES

Mallarino AP, Hinz PN, Oyarzabal ES. 1996. ***Multivariate analysis as a tool for interpreting relationships between site variables and crop yields.*** In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of

America (SSSA). p 151-158.
Notes: S 11.4 #14747 > #14942

Mallarino AP, Wittry DJ, Hinz PN. 1999. ***Variable-rate phosphorus fertilization :On-farm research methods and evaluation for corn and soybean.*** In:Precision Agriculture - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part A). United States of America: America Society of Agronomy, Crop Science Society of America, Soil Science Society of America. p 687-696.
Notes: S 11.4 #15493

Malzer GL, Braum S, Hopkins A, Mulla D, Huggins D, Bell J, Robert PC. 1999. ***Impact of spatial resolution on the potential profitability of site-specific N and P management of corn***. In:Precision Agriculture - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part B). United States of America: America Society of Agronomy, Crop Science Society of America, Soil Science Society of America. p 1695-1698.
Notes: S 11.4 #15575

Mamo M, Malzer GL, Mulla DJ, Huggins DR, Strock J. 2003. ***Spatial and temporal variation in economically optimum nitrogen rate for corn.*** Agron.J. 95:958-964.
Notes: H 8.2.2.3 #15001e

Mangen TF, Thomison PR, Strachan SD. 2005. ***Early-Season Defoliation Effects on TopCross High-Oil Corn Production.*** Agron.J. 97(3):823-831.
Notes: #17403e

Martin KL, Girma K, Freeman KW, Teal RK, Tubana B, Arnall DB, Chung B, Walsh O, Solie JB, Stone ML, Raun WR. 2007. ***Expression of Variability in Corn as Influenced by Growth Stage Using Optical Sensor Measurements.*** Agron.J. 99(2):384-389.
Notes: #17730e

Martin KL, Hodgen PJ, Freeman KW, Melchiori R, Arnall DB, Teal RK, Mullen RW, Desta K, Phillips SB, Solie JB, Stone ML, Caviglia O, Solari F, Bianchini A, Francis DD, Schepers JS, Hatfield JL, Raun WR. 2005. ***Plant-to-Plant Variability in Corn Production***. Agron.J. 97(6):1603-1611.
Notes: #17485e

Massey RE, Myers DB, Kitchen NR, Sudduth KA. 2008. ***Profitability Maps as an Input for Site-Specific Management Decision Making.*** Agron.J. 100(1):52-59.
Notes: #17901e

Mastur, Widjaja-Adhi IPG, Karama AS. 1992***. The effect of organic and inorganic fertilizers on maize performances in dry season.*** Universiti Pertanian Malaysia (UPM) and Food and Fertilizer Technology Center (FFTC/ASPAC):

Kuala Lumpur, Malaysia, 10-14 November 1992.
Notes**:** H 8.2.2.1 #4638

Maton L, Bergez J-E, Leenhardt D. 2007. ***Modelling the days which are agronomically suitable for sowing maize***. Eur.J.Agron. 27:123-129.
Notes**:** #15011e

Mays DA, Wilkinson SR, Cole CV. 1980. ***Phosphorus nutrition of forages.*** In: editors, editor. Proceedings of a symposium on The role of phosphorus in agriculture. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 805-846.
Notes**:** # 14743 in S 2.8.1.2 #14717

Mazzarino MJ, Szott L, Jimenez M. 1993. ***Dynamics of soil total C and N, microbial biomass, and water- soluble C in tropical agroecosystems***. Soil Biol.Biochem. 25(2):205-214.
Notes**:** # 501

McAndrews GM, Liebman M, Cambardella CA, Richard TL. 2006. ***Residual Effects of Composted and Fresh Solid Swine (Sus scrofa L.) Manure on Soybean [Glycine max (L.) Merr.] Growth and Yield.*** Agron.J. 98(4):873-882.
Notes**:** #17591e

McBratney AB, Whelan BM, Viscarra Rossel RA. 1996. ***Spatial prediction for precision agriculture***. In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 331-342.
Notes**:** S 11.4 #14747 > #14962

McCann BL, Pennock DJ, van Kessel C, Walley FL. 1996. ***The development of management units for site specific farming.*** In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 295-302.
Notes**:** S 11.4 #14747 > #14950

McCarty GW, Meisinger JJ. 1997. ***Effects of N fertilizer treatments on biologically active N pools in soils under plow and no tillage.*** Biol.Fertil.Soils. 24(4):406-412.
Notes**:** 5581

McDonald PB, Singer JW, Wiedenhoeft MH. 2008***. Establishment and Growth of Self-Seeded Winter Cereal Cover Crops in a Soybean-Corn Rotation.***

Agron.J. 100(2):432-439.
Notes**:** #17951e

McDonald PB, Singer JW, Wiedenhoeft MH. 2008. ***Self-Seeded Cereal Cover Crop Effects on Interspecific Competition with Corn.*** Agron.J. 100(2):440-446.
Notes**:** #17952e

McGee DC. 1988. ***Maize Diseases: a Source for Seed Technologists***. St Paul, Minnesota: The American Phytopathological Society. p150.
Notes**:** S 8.2.2 # 1958

Mekonnen K, Buresh RJ, Jama B. 1997. ***Root and inorganic nitrogen distributions in sesbania fallow, natural fallow and maize fields.*** Plant Soil. 188:319-327.
Notes**:** H 9 #7865

Meng ECH, Hu R, Shi X, Zhang S. 2006***. Maize in China. Production systems, constraints, and research priorities***.:1-67.
Notes**:** #15050e
ISBN: 970-648-145-1

Merrill SD, Tanaka DL, Krupinsky JM, Liebig MA, Hanson JD. 2007***. Soil Water Depletion and Recharge under Ten Crop Species and Applications to the Principles of Dynamic Cropping Systems***. Agron.J. 99(4):931-938.
Notes**:** #17797e

Meyer-Aurich A, Janovicek K, Deen W, Weersink A. 2006***. Impact of Tillage and Rotation on Yield and Economic Performance in Corn-Based Cropping Systems***. Agron.J. 98(5):1204-1212.
Notes**:** #17630e

Miao Y, Mulla DJ, Batchelor WD, Paz JO, Robert PC, Wiebers M. 2006***. Evaluating Management Zone Optimal Nitrogen Rates with a Crop Growth Model***. Agron.J. 98(3):545-553.
Notes**:** #17556e

Miao Y, Mulla DJ, Robert PC, Hernandez JA. 2006. ***Within-Field Variation in Corn Yield and Grain Quality Responses to Nitrogen Fertilization and Hybrid Selection***. Agron.J. 98(1):129-140.
Notes**:** #17508e

Miller DR, Chen SY, Porter PM, Johnson GA, Wyse DL, Stetina SR, Klossner LD, Nelson GA. 2006. ***Rotation Crop Evaluation for Management of the Soybean Cyst Nematode in Minnesota***. Agron.J. 98(3):569-578.
Notes**:** ##17559e

Miller PR, Buschena DE, Jones CA, Holmes JA. 2008***. Transition from Intensive Tillage to No-Tillage and Organic Diversified Annual Cropping Systems***.

Agron.J. 100(3):591-599.
Notes**:** #17973e

Ministry of Agriculture and Co-operatives.Federation of Malaya. 1961***. Maize.*** Kuala Lumpur: Ministry of Agriculture and Co-operatives. Federation of Malaya. p15.
Notes**:** H 8.2.2 # 5567

Mitchell CC, Tu S. 2005***. Long-Term Evaluation of Poultry Litter as a Source of Nitrogen for Cotton and Corn.*** Agron.J. 97(2):399-407.
Notes**:** #17343e

Mohamed SB, Evans EJ, Shiel RS. 1996***. Mapping techniques and intensity of soil sampling for precision farming.*** In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 217-226.
Notes**:** S 11.4 #14747 > #14949

Moinuddin, Fischer RA, Sayre KD, Reynolds MP. 2005. ***Osmotic Adjustment in Wheat in Relation to Grain Yield under Water Deficit Environments.*** Agron.J. 97(4):1062-1071.
Notes**:** #17422e

Moran MS, hymer DC, Qi JG, Kerr Y. 1999. ***Radar imagery for precision crop and soil mangement***. In:Precision Agriculture - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part B). United States of America: America Society of Agronomy, Crop Science Society of America, Soil Science Society of America. p 1423-1434.
Notes**:** S 11.4 #15550

Morel JL, Habib L, Plantureux S, Guckert A. 1991. ***Influence of maize root mucilage on soil aggregate stability***. Plant Soil. 136:111-119.
Notes**:** #13840

Morgan GD, MacGuidwin AE, Zhu J, Binning LK. 2002. ***Population Dynamics and Distribution of Root Lesion Nematode (Pratylenchus penetrans) over a Three-Year Potato Crop Rotation***. Agron.J. 94(5):1146-1155.
Notes**:** #16864e

Morton TyW, Buchleiter GW, Heermann DF. 1999***. Quantifying the effect of water availability on corn yield under a center-pivot irrigation system***. In:Precision Agriculture - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part A). United States of America: America Society of Agronomy, Crop Science Society of America, Soil Science Society of America. p 31-42.
ID: 15445
Notes**:** S 11.4 #15445

Msolla MM, Semoka JMR, Borggaard OK. 2005. Hard Minjingu phosphate rock***: An alternative P source for maize production on acid soils in Tanzania.*** Nutr.Cycl.Agroecosyst. 72:299-308.
Notes**:** #15118e

Mtambanengwe F, Mapfumo P. 2006***. Effects of organic resource quality on soil profile N dynamics and maize yields on sandy soils in Zimbabwe***. Plant Soil. 281:173-191.
Notes**:** #15117e

Murayama S, Bakar ZA. 1997. ***Effects of oil palm bunch ash application on the growth of maize*** (***Zea mays*** L.) and properties of tropical peat soil. Jap.J.Trop.Agric. 41:241-250.
ID: 5227
Notes**:** H 1.4.2 #5227

Mutert EW. 1993. ***Influences of different phosphate sources on mucuna mulch production and their residual effect on maize performance.*** In:Upland improvement in South East Asia.
Paper presented at the Malaysian Soil Science Conference April 1993 Penang, Malaysia Notes**:** Shelf 11.1 #16092 > #16095

N

Naeve SL, O'Neill TA, Miller-Garvin JE. 2008. ***Canopy Nitrogen Reserves: Impact on Soybean Yield and Seed Quality Traits in Northern Latitudes.*** Agron.J. 100(3):681-689.
Notes**:** #17984e

N'Dayegamiye A. 2006***. Mixed Paper Mill Sludge Effects on Corn Yield, Nitrogen Efficiency, and Soil Properties***. Agron.J. 98(6):1471-1478.
Notes**:** #17661e

Nelson KA, Motavalli PP, Nathan M. 2005***. Response of No-Till Soybean [Glycine max (L.) Merr.] to Timing of Preplant and Foliar Potassium Applications in a Claypan Soil***. Agron.J. 97(3):832-838.
Notes**:** #17407e

Nelson LE. 1980***. Phosphorus nutrition of cotton, peanuts, rice, sugarcane, and tobacco. In: editors, editor. Proceedings of a symposium on The role of phosphorus in agriculture***. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 693-736.
Notes**:** # 14740 in S 2.8.1.2 #14717

Nesci A, Barros G, Castillo C, Etcheverry M. 2006. ***Soil fungal population in preharvest maize ecosystem in different tillage practices in Argentina***.

STR. 91:143-149.
Notes**:** #15112e

Nevens F, Reheul D. 2003***. The application of vegetable, fruit and garden waste (VFG) compost in addition to cattle slurry in a silage maize monoculture: nitrogen availability and use.*** Eur.J.Agron. 19:189-203.
Notes**:** #15274e

Newman YC, Sollenberger LE, Kunkle WE, Chambliss CG. 2002. ***Canopy Height and Nitrogen Supplementation Effects on Performance of Heifers Grazing Limpograss***. Agron.J. 94(6):1375-1380.
Notes**:** #16890e

Nguyen-Cong V. 2000. ***Long term response of corn growth on skeleti-hyperdystry-rhodic acrisols to phosphorus in Hoa Binh Province***, Vietnam.:1-7.
Notes**:** H 8.2.2.1 #16101

Niehues BJ, Lamond RE, Godsey CB, Olsen CJ. 2004. ***Starter Nitrogen Fertilizer Management for Continuous No-Till Corn Production.*** Agron.J. 96(5):1412-1418.
Notes**:** #17244e

Nielsen DC, Vigil MF, Anderson RL, Bowman RA, Benjamin JG, Halvorson AD. 2002. ***Cropping System Influence on Planting Water Content and Yield of Winter Wheat.*** Agron.J. 94(5):962-967.
Notes**:** #16840e

Nielsen DC, Vigil MF, Benjamin JG. 2006. ***Forage Yield Response to Water Use for Dryland Corn, Millet, and Triticale in the Central Great Plains***. Agron.J. 98(4):992-998.
Notes**:** #17606e

Nielsen DC. 2004. ***Kenaf Forage Yield and Quality under Varying Water Availability.*** Agron.J. 96(1):204-213.
Notes**:** #17105e

Nielsen RL, Thomison PR, Brown GA, Halter AL, Wells J, Wuethrich KL. 2002. ***Delayed Planting Effects on Flowering and Grain Maturation of Dent Corn.*** Agron.J. 94(3):549-558.
Notes**:** #16800e

Njunie MN, Wagger MG, Luna-Orea P. 2004. ***Residue Decomposition and Nutrient Release Dynamics from Two Tropical Forage Legumes in a Kenyan Environment***. Agron.J. 96(4):1073-1081.
Notes**:** #17204e

Nleya GG , Mugwira LM. 1995. ***Integrated Plant Nutrition in Zimbabwe***. In: Dudal R, Roy RN, editors. Integrated Plant Nutrition Systems. Report of an Expert

Consultation, Rome, Italy, 13-15 December 1993. Rome: Food and Agriculture Organization of the United Nations. p359–366.
Notes**:** 11660

Norman MJT, Pearson CJ, Searle PGE. 1995***. The Ecology of Tropical Food Crops***. Cambridge: Cambridge University Press. p430.
Notes**:** H 8 #1580

Norwood CA, Dumler TJ. 2002. ***Transition to Dryland Agriculture: Limited Irrigated vs. Dryland Corn.*** Agron.J. 94(2):310-320.
Notes**:** #16769e

Norwood CA. 2001. ***Dryland Corn in Western Kansas: Effects of Hybrid Maturity, Planting Date, and Plant Population.*** Agron.J. 93(3):540-547.
Notes**:** #16623e

Norwood CA. 2001. ***Planting Date, Hybrid Maturity, and Plant Population Effects on Soil Water Depletion, Water Use, and Yield of Dryland Corn***. Agron.J. 93(5):1034-1042.
Notes**:** #16681e / Notes**:** #15204e in CD#114

O

Ocampo A, Labios RV, Labios JD, Lapoot CR, Tumamang SC, Descalsota JC, Witt C, Pasuquin JMCA. 2007. ***Site-specific nutrient management for maize in upland and acid upland conditions.*** In: Proceedings of the 37th Crop Science Society of the Philippines (CSSP) Conference, Tagaytay City, Philippines, July 2007.
Notes**:** #15854

Ocampo A, Labios RV, Labios JD, Lapoot CR, Tumamang SC, Gines HC, Descalsota JC, Witt C, Pasuquin JMCA. 2007. ***Development of site-specific nutrient management protocol on maize***. In: Poster presented at the 10th Annual Meeting and Scientific Symposium of the Philippine Society of Soil Science and Technology, Inc, Los Baños, 24-25 May 2007.
Notes**:** #15856e

Ocampo A, Labios RV, Labios JD, Medina CM, Lapoot CR, Tumamang SC, Gines HC, Descalsota JC, Pasuquin JMCA, Witt C. 2008. ***Site-specific nutrient management for maize in favorable environments of the Philippines.*** In: Proceedings of the 38th Crop Science Society of the Philippines (CSSP) Conference, Iloilo City, Philippines, 12-16 May 2008. CSSP: Iloilo City, Philippines. p 1-15.
Notes**:** #15852

O'Day M., Becker A, Keaster A, Kabrick L, Steffey K. 1998. ***Corn insect pests: A diagnostic guide***.:1-52.
Notes**:** #15067e

Olesen SE, Simmelsgaard SE, Anderson MN, Friis E. 1996***. Danish research on precision agriculture: methods for estimating yield variations***. In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 475-485.
Notes**:** S 11.4 #14747 > #14973

O'Neill PM, Shanahan JF, Schepers JS, Caldwell B. 2004. ***Agronomic Responses of Corn Hybrids from Different Eras to Deficit and Adequate Levels of Water and Nitrogen***. Agron.J. 96(6):1660-1667.
Notes**:** #17274e

Osborne SL, Riedell WE. 2006. **Starter Nitrogen Fertilizer Impact on Soybean Yield and Quality in the Northern Great Plains.** Agron.J. 98(6):1569-1574.
Notes**:** #17673e

Osborne SL, Schepers JS, Francis DD, Schlemmer MR. 2002. ***Detection of Phosphorus and Nitrogen Deficiencies in Corn Using Spectral Radiance Measurements.*** Agron.J. 94(6):1215-1221.
Notes**:** #16871e

Osmond DL, Lathwell DJ, Riha SJ. 1992. ***Prediction of long-term fertilizer nitrogen requirements of maize in the tropics using a nitrogen balance model.*** Plant Soil. 143:61-70.
Notes**:** 546

Overman AR, Scholtz III RV. 2004***. Model analysis for growth response of corn***. J.Plant Nutr. 27(5):885-906.
Notes**:** #15133e

Oyarzabal ES, Mallarino AP, Hinz PN. 1996***. Using precision farming technologies for improving applied on-farm research.*** In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 379-387.
Notes**:** S 11.4 #14747 > #14967

P

Paliwal S. 2003. ***Quality protein maize in zero-tillage.*** In: Mathur PN, Braganza M, Chacko E, Vijayakumar S, editors. Addressing resource conservation issues in rice-wheat systems of South Asia. CG-Block, NASC Complex DPS Marg, Pusa New Delhi-110012, India : Rice-Wheat Consortium for the Indo-Gangetic Plains- International Maize and Wheat Improvement Center (RWC-CIMMYT) . p 240-242.
Notes**:** #16041e

Panten K, Haneklaus S, Schroeder D, Schnug E, Vanoverstraeten M. 1999. ***Remote sensing as an aid for the spatial management of nutrients***. In:Precision Agriculture - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part B). United States of America: America Society of Agronomy, Crop Science Society of America, Soil Science Society of America. p 1501-1510.
Notes**:** S 11.4 #15556

Papst C, Utz HF, Melchinger AE, Eder J, Magg T, Klein D, Bohn M. 2005. ***Mycotoxins Produced by Fusarium spp. in Isogenic Bt vs. non-Bt Maize Hybrids under European Corn Borer Pressure.*** Agron.J. 97(1):219-224.
Notes**:** #17320e

Pare T, Gregorich EG, Ellert BH. 1995. ***Comparison of soil nitrate extracted by potassium chloride and adsorbed on an anion exchange membrane in situ***. Commun.Soil Sci.Plant Anal. 26:883-898.
Notes**: #** 13927

Parks WL. 1985. ***Interaction of Potassium with Crop Varieties or Hybrids***. In: Munson RD, editor. Potassium in Agriculture. Proceedings of an International Symposium. Atlanta, Georgia, 7-10 July 1985: American Society of Agronomy, Crop Science Society of America and Soil Science Society of America. p535–558.
Notes**:** S 2.8.1.3 #9342

Parsch LD, Keisling TC, Sauer PA, Oliver LR, Crabtree NS. 2001. ***Economic Analysis of Conservation and Conventional Tillage Cropping Systems on Clayey Soil in Eastern Arkansas***. Agron.J. 93(6):1296-1304.
ID: 16717
Notes**:** #16717e

Parsons KJ, Zheljazkov VD, MacLeod J, Caldwell CD. 2007. ***Soil and Tissue Phosphorus, Potassium, Calcium, and Sulfur as Affected by Dairy Manure Application in a No-Till Corn, Wheat, and Soybean Rotation.*** Agron.J. 99(5):1306-1316.
Notes**:** #17844e

Partohardjono S, Sri Adiningsih J. 1991***. Response of Food Crops to Phosphate Rocks***. Indonesian Agricultural Research and Development Journal. 13:46-57.
Notes**:** H 21.1 #4651

Paszkiewic S, Butzen S. 2007***. Corn hybrid response to plant population***. Crop Insights. 17(16):1-4.
Notes**:** #16231e

Paudyal KR, Ransom JK, Rajbhandari NP, Adhikari K, Gerpacio RV, Pingali PL. 2001. ***Maize in Nepal. Production systems, constraints and priorities for***

research.:1-48.
Notes**:** #14810e; ISBN: 99933-205-0-1

Paz JO, Batchelor WD, Colvin TS, Logsdon SD, Kaspar TC, Karlen DL, Babcock BA, Pauts GR. 1999. ***Model-based technique to determine variable rate nitrogen for corn. In:Precision Agriculture*** - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part B). United States of America: America Society of Agronomy, Crop Science Society of America, Soil Science Society of America. p 1279-1290.
Notes**:** S 11.4 #15540

Pedersen P, Lauer JG. 2002. ***Influence of Rotation Sequence on the Optimum Corn and Soybean Plant Population***. Agron.J. 94(5):968-974.
Notes**:** #16841e

Pedersen P, Lauer JG. 2003. ***Corn and Soybean Response to Rotation Sequence, Row Spacing, and Tillage System.*** Agron.J. 95(4):965-971.
Notes**:** #16998e

Pedersen P, Lauer JG. 2004. ***Soybean Growth and Development Response to Rotation Sequence and Tillage System.*** Agron.J. 96(4):1005-1012.
Notes**:** #17196e

Perez-Bidegain M, Cruse RM, Ciha A. 2007. ***Tillage System by Planting Date Interaction Effects on Corn and Soybean Yield.*** Agron.J. 99(3):630-636.
Notes**:** #17763e

Perez-Quezada JF, Pettygrove GS, Plant RE. 2003. ***Spatial-Temporal Analysis of Yield and Soil Factors in Two Four-Crop-Rotation Fields in the Sacramento Valley, California***. Agron.J. 95(3):676-687.
Notes**:** #16975e

Perrin RK. 2007***. Ethanol, Oil and Corn***.:1-2.
Notes**:** #16170e

Pettygrove GS, Upadhaya SK, Pelletier MG, Hartz TK, Plant RE, Dension RF. 1999***. Tomato yield - Color infrared photography relationships.*** In:Precision Agriculture - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part B). United States of America: America Society of Agronomy, Crop Science Society of America, Soil Science Society of America. p 1483-1492.
Notes**:** S 11.4 #15555

Pham Thi Doan. 1999***. Balanced fertilization for better crops in the south of Vietnam. Ho Chi Minh*** City: Institute of Agricultural Science of South Vietnam / PPI.
Notes**:** Label: 26.1.10 # 8129

Phan TC, Deturck P, Nguyen QC, Hoang VT. 1998***. Phosphorus is required for efficient nitrogen use in maize production in Lam Dong Province,***

Vietnam. CAB International: Bali, Indonesia, 9-12 December 1996. p 353–354.
Notes**: S** 2.8.5 #6397

Piekielik WP, Fox RH. 1992. ***Use of a chlorophyll meter to predict sidedress nitrogen requirements for maize.*** Agron.J. 84:59–65
Notes**:** H 8.2.2.1 # 6050

Pikul JL, Jr., Hammack L, Riedell WE. 2005. ***Corn Yield, Nitrogen Use, and Corn Rootworm Infestation of Rotations in the Northern Corn Belt***. Agron.J. 97(3):854-863.
Notes**:** #17406e

Ping H, Shutian L, Jiyun J, Wang H, Chunjie L, Yilun W, Rongzong C. 2009. ***Performance of an optimized nutrient management system for double-cropped wheat-maize rotations in North-Central China***. Agron.J. 101(6):1489-1496.
Notes**:** #16512e

Ping JL, Ferguson RB, Dobermann A. 2008***. Site-Specific Nitrogen and Plant Density Management in Irrigated Maize.*** Agron.J. 100(4):1193-1204.
Notes**:** #15894e

Pingali PL. editor. 2001. CIMMYT 1999-***2000 World Maize Facts and Trends. Meeting world maize needs: Technological opportunities and priorities for the public sector.*** Mexico: International Maize and Wheat Improvement Centre (CIMMYT). p 1-60.
Notes**:** #14875e

Pocknee S, Boydell BC, Green HM, Waters DJ, Kvien CK. 1996. ***Directed soil sampling. I***n: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 159-168.
Notes**:** S 11.4 #14747 > #14943

Polak B, Supraptphardjo M. 1951***. Pot and Field Experiments with Maize on Acid Forest Peat from Borneo. Bogor, Indonesia***: General Agricultural Research Station. p17.
Notes**:** H 8.2.2 # 5615

Popp M, Edwards J, Manning P, Purcell LC. 2006. ***Plant Population Density and Maturity Effects on Profitability of Short-Season Maize Production in the Midsouthern USA***. Agron.J. 98(3):760-765.
Notes**:** #17580e

Porter PM, Chen SY, Reese CD, Klossner LD. 2001. ***Population Response of Soybean Cyst Nematode to Long Term Corn-Soybean Cropping***

Sequences in Minnesota. Agron.J. 93(3):619-626.
Notes**:** #16634e

Porter PM, Huggins DR, Perillo CA, Lauer JG, Oplinger ES, Crookston RK. 1996. ***Long-term yields from individual plots: implications for managing spatial variability.*** In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 541-552.
Notes**:** S 11.4 #14747 > #14979

Porter PM, Huggins DR, Perillo CA, Quiring SR, Crookston RK. 2003. ***Organic and Other Management Strategies with Two- and Four-Year Crop Rotations in Minnesota***. Agron.J. 95(2):233-244.
Notes**:** #16925e

Posner JL, Baldock JO, Hedtcke JL. 2008***. Organic and Conventional Production Systems in the Wisconsin Integrated Cropping Systems Trials: I. Productivity 1990-2002***. Agron.J. 100(2):253-260.
Notes**:** #17927e

Poss R, Fardeau JC, Saragoni H. 1997. ***Sustainable agriculture in the tropics: the case of potassium under maize cropping in Togo.***
Nutr.Cycl.Agroecosyst. 46:205-213.
Notes**:** S 2.8.1 #9033 > #2976

Potash and Phosphate Institute. n.d. ***Moving Toward MEY Corn***.
Notes**:** Label: 8.2.2 #667

Powell JM, Jackson-Smith DB, McCrory DF, Saam H, Mariola M. 2007***. Nutrient Management Behavior on Wisconsin Dairy Farms.*** Agron.J. 99(1):211-219.
Notes**:** #17712e

Powell JM, Kelling KA, Munoz GR, Cusick PR. 2005***. Evaluation of dairy manure nitrogen-15 enrichment methods on short-term crop and soil nitrogen budgets.*** Agron.J. 97(1):333-337.
Notes**:** #17334e

Powell JM, Wu Z, Kelling K, Cusick P, Munoz G. 2004***. Differential Nitrogen-15 Labeling of Dairy Manure Components for Nitrogen Cycling Studies***.
Agron.J. 96(2):433-441.
Notes**:** #17134e

PPI, PPIC. ***Economics of Maximum Yield Production***.
Notes**:** #11813

PPIC India Program. 1999***. Research Highlights*** 1998-99.
Notes**:** H 21.6 #8080

Pruss JA, Beegle DB, Turgeon AJ, Day RL, Weaver RD. 2005***. Using On-Farm Data to Validate Crop Management Recommendations and Implementation.*** Agron.J. 97(1):113-117.
Notes**:** #17306e

Purnomo J, Mulyadi, Widodo S, Sri Adiningsih J. 1996. ***Rehabilitasi Tanah Ultisols (Podsolik Merah Kuning) dengan Pemupukan P Adan Pengelolaan Bahan Organik. Penelitian Tanah***.(Pros. No. 12):13-24.
Notes**:** H 11.1 #7762

Purseglove JW. 1975***. Tropical Crops: Monocotyledons***. Harlow, England: English Language Book Society/Longman. p609.
Notes**:** S 8 # 6509

Q

Qian JH, Doran JW, Walters DT. 1997. ***Maize plant contributions to root zone available carbon and microbial transformations of nitrogen***. Soil Biol.Biochem. 29(9,10):1451-1462.
Notes**: #** 5094

Qin R, Stamp P, Richner W. 2005. ***Impact of Tillage and Banded Starter Fertilizer on Maize Root Growth in the Top 25 Centimeters of the Soil***. Agron.J. 97(3):674-683.
Notes**:** #17379e

Quincke JA, Wortmann CS, Mamo M, Franti T, Drijber RA, Garcia JP. 2007***. One-Time Tillage of No-Till Systems: Soil Physical Properties, Phosphorus Runoff, and Crop Yield.*** Agron.J. 99(4):1104-1110.
Notes**:** #17817e

Quincke JA, Wortmann CS, Mamo M, Franti T, Drijber RA. 2007. ***Occasional Tillage of No-Till Systems: Carbon Dioxide Flux and Changes in Total and Labile Soil Organic Carbon***. Agron.J. 99(4):1158-1168.
Notes**:** #17824e

R

Rajendra PS, Apisit E. 1995***. Towards Sustainable Land ues through Land Evaluation*** : A Case Study of Muaklek, Thailand.:1-6.
Notes**:** #16371e

Randall GW, Vetsch JA, Huffman JR. 2003. ***Corn Production on a Subsurface-Drained Mollisol as Affected by Time of Nitrogen Application and Nitrapyrin***. Agron.J. 95(5):1213-1219.
Notes**:** #17029e

Randall GW, Vetsch JA. 2005***. Corn Production on a Subsurface-Drained Mollisol as Affected by Fall versus Spring Application of Nitrogen and Nitrapyrin***. Agron.J. 97(2):472-478.
Notes**:** #17351e

Rashid MT, Voroney RP. 2004***. Land Application of Oily Food Waste and Corn Production on Amended Soils.*** Agron.J. 96(4):997-1004.
Notes**:** #17195e

Rastija M, Kovacevic V, Simic D, Bukvic G, Antunovic M. 2007. ***Genotype and soil influences on zinc status in maize. In: Zinc Crops 2007 Improving crop production and human health,*** 24-26 May 2007, Istanbul, Turkey. 2007 International Zinc Association (IZA) / International Fertilizer Industry Association (IFA): Brussel, Belgium. p 1-2.
Notes**:** #16460e (abstract presented at Zinc Crops 2007 #16470e)

Reddy KR, Hodges HFe. 2000. ***Climate Change and Global Crop Productivity***. 1–472.
Notes**:** S 15 #9476

Reetz HF. n.d. Be Your Own Corn Doctor.
Notes**:** Label: 8.2.2.1 # 6099

Reetz HF. n.d. ***Jadilah dokter bagi tanaman jagungmu***.
Notes**:** In Bahasa Indonesian
Label: 8.2.2.1 #6100

Reid J, Pearson A, Stone P. 2006***. Land management for grain maize. Recommended best management practices for New Zealand***.:1-38.
Notes**:** #15009e

Reid JB, Stone PJ, Pearson AJ, Wilson DR. 2002. ***Yield response to nutrient supply accross a wide range of conditions. 2. Analysis of maize yields***. Field Crops Res. 77:173-189.
Notes**:** #1972e

Reid RL. 1980. ***Relationship between phosphorus nutrition of plants and the phosphorus nutrition of animals and man.*** In: editors, editor. Proceedings of a symposium on The role of phosphorus in agriculture. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 847-886.
Notes**:** #14744 in S 2.8.1.2 #14717

Reinbott TM, Conley SP, Blevins DG. 2004***. No-Tillage Corn and Grain Sorghum Response to Cover Crop and Nitrogen Fertilization.*** Agron.J. 96(4):1158-1163.
Notes**:** #17214e

Rellán-Álvarez R, Ortega-Villasante C, Álvarez-Fernández A, del Campo FF, Hernández LE. 2006. ***Stress responses of*** Zea mays ***to cadmium and mercury***. Plant Soil. 279:41-50.
Notes**:** #15116e

Riedell WF, Beck DL, Schumacher TF. 2000. ***Corn response to fertilizer placement treatments in an irrigated no-till system***. Agron.J. 92:316-320.
Notes**:** #14872e

Ritchie JT, Alagarswamy G. 2003. ***Model Concepts to Express Genetic Differences in Maize Yield Components.*** Agron.J. 95(1):4-9.
Notes**:** #16900e

Robert M, LeQuintrec A, Boisgontier D, Grenier G. 1996. ***Determination of field and cereal crop characteristics for spatially selective applications of nitrogen fertilizers***. In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 303-313.
Notes**:** S 11.4 #14747 > #14954

Robert PC, Rust RH, Larson WE. editors. 1996***. Proceedings of the third international conference on Precision Agriculture.*** Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 1-1221.
Notes**:** 11.4 #14747

Roetter RP , Dreiser C. 1994. ***Extrapolation of maize fertiliser trial results by using crop-growtj simulation: results for Murang'a District, Kenya. In: Fresco LO, Stroosnijder L, Bouma J, van Keulen H, editors. The future of the land: monilizing and integrating knowledge for land use options.*** John Wiley & Sons Ltd. p 249-260.
Notes**:** 2094

Roth GW, Beegle DB, Heinbaugh SM, Antle ME. 2006. ***Starter Fertilizers for Corn on Soils Testing High in Phosphorus in the Northeastern USA.*** Agron.J. 98(4):1121-1127.
Notes**:** #17621e

Roth GW, Lauer JG. 2008***. Impact of Defoliation on Corn Forage Quality.*** Agron.J. 100(3):651-657.
Notes**:** #17980e

Rotz CA, Roth GW, Soder KJ, Schnabel RR. 2001***. Economic and Environmental Implications of Soybean Production and Use on Pennsylvania Dairy Farms.*** Agron.J. 93(2):418-428.
Notes**:** #16608e / CD# 98

Roygard JKF, Alley MM, Khosla R. 2002. ***No-Till Corn Yields and Water Balance in the Mid-Atlantic Coastal Plain.*** Agron.J. 94(3):612-623.
Notes**:** #16807e

Rozas HRS, Echeverria HE, Barbieri PA. 2004***. Nitrogen Balance as Affected by Application Time and Nitrogen Fertilizer Rate in Irrigated No-Tillage Maize.*** Agron.J. 96(6):1622-1631.
Notes**:** #17270e

Ruffo ML, Bollero GA, Hoeft RG, Bullock DG. 2005***. Spatial Variability of the Illinois Soil Nitrogen Test: Implications for Soil Sampling.*** Agron.J. 97(6):1485-1492.
Notes**:** #17471e

Ruffo ML, Bollero GA. 2003***. Modeling Rye and Hairy Vetch Residue Decomposition as a Function of Degree-Days and Decomposition-Days***. Agron.J. 95(4):900-907.
Notes**:** #16991e

Ruffo ML, Bollero GA. 2003. ***Residue Decomposition and Prediction of Carbon and Nitrogen Release Rates Based on Biochemical Fractions Using Principal-Component Regression***. Agron.J. 95(4):1034-1040.
Notes**:** #17007e

Ruffo ML, Bullock DG, Bollero GA. 2004. ***Soybean Yield as Affected by Biomass and Nitrogen Uptake of Cereal Rye in Winter Cover Crop Rotations***. Agron.J. 96(3):800-805.
Notes**:** #17179e

Ruiz Diaz DA, Hawkins JA, Sawyer JE, Lundvall JP. 2008. ***Evaluation of In-Season Nitrogen Management Strategies for Corn Production***. Agron.J. 100(6):1711-1719.
Notes**:** #18022e

S

Sadras VO, Calvino PA. 2001. ***Quantification of Grain Yield Response to Soil Depth in Soybean, Maize, Sunflower, and Wheat.*** Agron.J. 93(3):577-583.
Notes**:** #16628e

Sainju UM, Singh BP. 2001. ***Tillage, Cover Crop, and Kill-Planting Date Effects on Corn Yield and Soil Nitrogen. Agron.J. 93(4):878-886.***
Notes**:** #16658e

Sanchez JE, Harwood RR, Willson TC, Kizilkaya K, Smeenk J, Parker E, Paul EA, Knezek BD, Robertson GP. 2004. ***Managing Soil Carbon and Nitrogen for Productivity and Environmental Quality.*** Agron.J. 96(3):769-775.
Notes**:** #17175e

Sanchez JE, Paul EA, Willson TC, Smeenk J, Harwood RR. 2002. ***Corn Root Effects on the Nitrogen-Supplying Capacity of a Conditioned Soil.*** Agron.J. 94(3):391-396.
Notes**:** #16780e

Sangakkara UR, Richner W, Steinebrunner F, Stamp P. 2003***. Impact of the cropping systems of a minor dry season on the growth, yields and nitrogen uptake of maize (***Zea mays ***L) grown in the humid tropics during the major rainy season.*** J.Agron.Crop Sci. 189:361-366.
Notes**:** #15097e

Saraiva AM, Massola AMA, Cugnasca CE. 1999. ***An object model for information systems for precision agriculture.*** In:Precision Agriculture - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part B). United States of America: America Society of Agronomy, Crop Science Society of America, Soil Science Society of America. p 1355-1366.
Notes**:** S 11.4 #15545

Sarlangue T, Andrade FH, Calvino PA, Purcell LC. 2007. ***Why Do Maize Hybrids Respond Differently to Variations in Plant Density?*** Agron.J. 99(4):984-991.
Notes**:** #17803e

Saseendran SA, Ma L, Nielsen DC, Vigil MF, Ahuja LR. 2005***. Simulating Planting Date Effects on Corn Production Using RZWQM and CERES-Maize Models***. Agron.J. 97(1):58-71.
Notes**:** #17299e

Sawchik J, Mallarino AP. 2007. ***Evaluation of Zone Soil Sampling Approaches for Phosphorus and Potassium Based on Corn and Soybean Response to Fertilization***. Agron.J. 99(6):1564-1578.
Notes**:** #17872e

Scharf PC, Brouder SM, Hoeft RG. 2006***. Chlorophyll Meter Readings Can Predict Nitrogen Need and Yield Response of Corn in the North-Central USA***. Agron.J. 98(3):655-665.
Notes**:** #17568e

Scharf PC, Kitchen NR, Sudduth KA, Davis JG, Hubbard VC, Lory JA. 2005***. Field-Scale Variability in Optimal Nitrogen Fertilizer Rate for Corn.*** Agron.J. 97(2):452-461.
Notes**:** #17349e

Scharf PC, Lory JA. 2002. Calibrating ***corn color from aerial photographs to predict sidedress nitrogen need.*** Agron.J. 94:397-404.
Notes**:** H 8.2.2.1 #14998e

Scharf PC, Wiebold WJ, Lory JA. 2002***. Corn Yield Response to Nitrogen Fertilizer Timing and Deficiency Level.*** Agron.J. 94(3):435-441.
Notes**:** #16786e

Schepers AR, Shanahan JF, Liebig MA, Schepers JS, Johnson SH, Luchiari A, Jr. 2004. ***Appropriateness of Management Zones for Characterizing Spatial Variability of Soil Properties and Irrigated Corn Yields across Years***. Agron.J. 96(1):195-203.
Notes**:** #17104e

Schepers JS, Blackmer TM, Shah T, Christensen N. 1996. ***Remote sensing tools for site-specific management***. In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 315-319.
Notes**:** S 11.4 #14747 > #14960

Schlegel AJ, Dumler TJ, Thompson CR. 2002***. Feasibility of Four-Year Crop Rotations in the Central High Plains.*** Agron.J. 94(3):509-517.
Notes**:** #16795e

Schlemmer MR, Francis DD, Shanahan JF, Schepers JS. 2005. ***Remotely Measuring Chlorophyll Content in Corn Leaves with Differing Nitrogen Levels and Relative Water Content***. Agron.J. 97(1):106-112.
Notes**:** #17305e

Schmidt JP, DeJoia AJ, Ferguson RB, Taylor RK, Young RK, Havlin JL. 2002. ***Corn Yield Response to Nitrogen at Multiple In-Field Locations***. Agron.J. 94(4):798-806.
Notes**:** #16818e

Schmidt JP, Hong N, Dellinger A, Beegle DB, Lin H. 2007. ***Hillslope Variability in Corn Response to Nitrogen Linked to In-Season Soil Moisture Redistribution.*** Agron.J. 99(1):229-237.
Notes**:** #17714e

Schnable PS, Ware D, Fulton RS, Stein JC, Wei F, Pastemak S, Liang C, Zhang J, Fulton L, Graves TA, Minx P, Reily AD, Courtney L, Kruckchowski SS, Tomlinson C, Strong C, Delehaunty K, Fronick C, Courtney B, Rock SM, Belter E, Du FKK, Cotton M, Abbott RM, Levy A, Marchetto P, Ochoa K, Jackson SM, Gillam B, Chen W, Yan Le, Higginbotham J, Cardenas M, Waligorski J, Applebaum E, Phelps J, Falcone J, Kanchi K, Thane T, Scimone A, Thane N, Henke J, Wang T, Ruppert J, Shah N, Rotter K, Hodges J, Ingenthron E, Cordes M, Kohlberg S, Sgro J, Delgado B, Mead K, Chinwalla A, Leonard S, Crouse K, Collura K, Kudrna D, Currie J, He R, Angelova A, Rajasekar S, Mueller T, Lomeli R, Scara G, Ko A, Delaney K, Wissotski M, Lopez G, Campos D, Braidotti M, Ashley E, Golser W, Kim H, lee S, Lin J, Dujmic Z, Kim W, Talag J, Zuccolo A, Fan C, Sebastian A, Kramer M, Spiegel

L, Nascimento L, Zutavern T, Miller B, Ambroise C, Muller S, Spooner W, Narechania A, Ren L, Wei S, Kumari S, Faga S, Levy MJ, Mcmahan L, Van Buren P, Vaughn MW, Ying K, Yeh CT, Emrich SJ, Jia Y, Kalyanaraman A, Hsia AP, Barbazuk WB, Baucom RS, Brutnell TP, Carpita NC, Chaparro C, Chia JM, Deragon JM, Estill JC, Yan F, Jeddeloh JA, Han Y, Lee H, Li P, Lisch DR, Liu S, Liu Z, Nagel DH, McCann MC, SanMiguel P, Myers AM, Nettleton D, Nguyen J, Penning BW, Ponnala L, Schneider KL, Schwartz DC, Sharma A, Soderlund C, Springer NM, Sun Q, Wang H, Waterman M, Westerman R, Wolfgruber TK, Yang L, Yu Y, Zhang L, Zhou S, Zhu Q, Bennetzen JL, Dawe RK, Jiang J, Jiang N, Presting GG, Wessler SR, Aluru S, Martienssen RA, Clifton SW, McCombie WR, Wing RA, Wilson RK. 2009. ***The B73 Maize Genome: Complexity, Diversity, and Dynamics***. Science. 326(***Science*** (print ISSN 0036-8075; online ISSN 1095-9203)):1112-1115.
Notes**:** #16514e

Schneider AD, Castillon P, Pellerin S. 2003***. Relationships between soil potassium supply characteristics based on soil solution concentration and buffer power and field responses of winter wheat and maize***. Plant Soil. 254(2003):269-278.
Notes**:** #15950e

Schroder JJ. 2000. ***Does the crop or the soil indicate how to save nitrogen in maize production?*** Field Crops Res. 66:151-164.
Notes**:** #15904e

Schwab GJ, Whitney DA, Kilgore GL, Sweeney DW. 2006. ***Tillage and Phosphorus Management Effects on Crop Production in Soils with Phosphorus Stratification***. Agron.J. 98(3):430-435.
Notes**:** #17543e

Schwarte AJ, Gibson LR, Karlen DL, Liebman M, Jannink JL. 2005. ***Planting Date Effects on Winter Triticale Dry Matter and Nitrogen Accumulation.*** Agron.J. 97(5):1333-1341.
Notes**:** #17451e

Seguin P, Sheaffer CC, Schmitt MA, Russelle MP, Randall GW, Peterson PR, Hoverstad TR, Quiring SR, Swanson DR. 2002***. Alfalfa Autotoxicity: Effects of Reseeding Delay, Original Stand Age, and Cultivar.*** Agron.J. 94(4):775-781.
Notes**:** #16814e

Sekretariat Badan Pengendali Bimas. 1996***. Gerakan Kemitraaan Petani Jagung dengan Pengusaha Pakan Ternak.***
Notes**:** S 8.2.2 # 9182

Seo JH, Meisinger JJ, Lee HJ. 2006. ***Recovery of Nitrogen-15-Labeled Hairy Vetch and Fertilizer Applied to Corn.*** Agron.J. 98(2):245-254.
Notes**:** #17523e

Setboonsarng S. 1990. ***Biotechnology and developing country agriculture: Maize in Thailand.:***1-77.
Notes**:** #11807e

Shahandeh H, Wright AL, Hons FM, Lascano RJ. 2005. ***Spatial and Temporal Variation of Soil Nitrogen Parameters Related to Soil Texture and Corn Yield***. Agron.J. 97(3):772-782.
Notes**:** #17397e

Shanahan JF, Schepers JS, Francis DD, Varvel GE, Wilhelm WW, Tringe JM, Schlemmer MR, Major DJ. 2001. ***Use of Remote-Sensing Imagery to Estimate Corn Grain Yield. Agron.J. 93(3):583-58***9.
Notes**:** #16629e

Shapiro CA, Ferguson RB, Hergert GW, Dobermann A, Wortmann CS. 2001. ***Fertilizer suggestions for corn.*** NebGuide G74-174-A. Lincoln, NE: Univ. of Nebraska Coop. Ext. Service.
Notes**: #**14126

Shapiro CA, Holshouser DL, Kranz WL, Shelton DP, Witkowski JF, Jarvi KJ, Echtenkamp GW, Lunz LA, Frerichs RD, Brentlinger RL, Lubberstedt MA, Vey McCluskey M, Stroup WW. 2001. ***Tillage and Management Alternatives for Returning Conservation Reserve Program Land to Crops***. Agron.J. 93(4):850-862.
Notes**:** #16655e

Shapiro CA, Wortmann CS. 2006. ***Corn response to nitrogen rate, row spacing, and plant density in eastern Nebraska.*** Agron.J. 98:529-535.
ID: 15216
Notes**:** #15216

Shapiro CA, Wortmann CS. 2006. ***Corn Response to Nitrogen Rate, Row Spacing, and Plant Density in Eastern Nebraska***. Agron.J. 98(3):529-535.
Notes**:** #17554e

Sharratt BS, Gesch RW. 2008. ***Emergence of Polymer-Coated Corn and Soybean Influenced by Tillage and Sowing Date.*** Agron.J. 100(3):585-590.
Notes**:** #17972e

Sharratt BS, McWilliams DA. 2005***. Microclimatic and Rooting Characteristics of Narrow-Row versus Conventional-Row Corn.*** Agron.J. 97(4):1129-1135.
Notes**:** #17428e

Sheaffer CC, Simmons SR, Schmitt MA. 2001. ***Annual Medic and Berseem Clover Dry Matter and Nitrogen Production in Rotation with Corn.*** Agron.J. 93(5):1080-1086.
Notes**:** #16687e

Shoji S, Kosuge N, Miyoshi S. 1996***. Properties of polyolefin coated urea (Meister) and programmed nitrogen supply to agricultural plants.*** In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 399-402.
Notes**:** S 11.4 #14747 > #14969

Siband P, Wey J, Oliver R, Letourmy P, Manichon H. 1999***. Analysis of the yield of two groups of tropical maize cultivars***: varietal characteristics, yield potentials, optimum densities. Agronomie. 18:545-561.
Notes**:** 6516

Sidhu D, Duiker SW. 2006. ***Soil Compaction in Conservation Tillage: Crop Impacts***. Agron.J. 98(5):1257-1264.
Notes**:** #17636e

Sierra J, Ozier-Lafontaine H, Dufour L, Meunier A, Bonhomme R, Welcker C. 2006***. Nutrient and assimilate partitioning in two tropical maize cultivars in relation to their tolerance to soil acidity***. Field Crops Res. 95:234-249.
Notes**:** #15123e

Simbahan GC, Dobermann A, Ping JL. 2004. ***Screening yield monitor data improves grain yield maps.*** Agron.J. 96(4):1091-1102.
Notes**:** H 8 #14761e

Simic D, Jambrovic A, Brkic I, Kovacevic V. 2007. ***Concentrations of bioavailable zinc in maize grain determined in a vast experiment***. In: Zinc Crops 2007 Improving crop production and human health, 24-26 May 2007, Istanbul, Turkey. 2007 International Zinc Association (IZA) / International Fertilizer Industry Association (IFA): Brussel, Belgium. p 1-2.
Notes**:** #16463e (abstract presented at Zinc Crops 2007 #16470e)

Simmonds NW. 1998***. Tropical Crops and their Improvement***. In: Webster CC, Wilson PN, editors. Agriculture in the Tropics. Cambridge, UK: Blackwell Science Ltd. p257–293.
Notes**:** #7891

Sinclair TR, Muchow RC. 2001. ***System Analysis of Plant Traits to Increase Grain Yield on Limited Water Supplies.*** Agron.J. 93(2):263-270.
Notes**:** #16587e / CD# 98

Singer JW, Kohler KA, Liebman M, Richard TL, Cambardella CA, Buhler DD. 2004. ***Tillage and Compost Affect Yield of Corn, Soybean, and Wheat and Soil Fertility.*** Agron.J. 96(2):531-537.
ID: 17146
Notes**:** #17146e

Singer JW, Logsdon SD, Meek DW. 2007. ***Tillage and Compost Effects on Corn Growth, Nutrient Accumulation, and Grain Yield.*** Agron.J. 99(1):80-87.
Notes**:** #17696e

Singer JW. 2008. ***Corn Belt Assessment of Cover Crop Management and Ps.*** Agron.J. 100(6):1670-1672.
Notes**:** #18030e

Singh H, Sharma KN, Arora BS. 1995. ***Influence of continuous fertilization to a maize-wheat system on the changes in soil fertility***. Fert.Res. 40(1):7-19.
Notes: 877

Singh U, Oikeh S, Chude V, Wilkens P. 1999. ***Predicting the effect of nitrogen deficiency on crop growth duration and yield.*** In:Precision Agriculture - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part B). United States of America: America Society of Agronomy, Crop Science Society of America, Soil Science Society of America. p 1379-1394.
Notes**:** S 11.4 #15547

Sitthaphanit S, Limpinuntana V, Toomsan B, Panchaban S, Bell RW. 2009. ***Fertiliser strategies for improved nutrient use efficiency on sandy soils in high rainfall regimes.*** Nutr.Cycl.Agroecosyst. 85:123-139.
Notes**:** #16510e

Smaling EMA, Nandwa SM, Prestele H, Roetter R, Muchena FN. 1992. ***Yield response of maize to fertilizers and manure under different agro-ecological conditions in Kenya.*** Agric.Ecosyst.Environ. 41:241–252
Notes**:** H 8.2.2.1 # 4576

Smeltekop H, Clay DE, Clay SA. 2002. ***The Impact of Intercropping Annual 'Sava' Snail Medic on Corn Production.*** Agron.J. 94(4):917-924.
Notes**:** #16834e

Smith RE , Buchleiter GW. 1999. ***Variability scales of surface soil sorptivity***. In:Precision Agriculture - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part A). United States of America: America Society of Agronomy, Crop Science Society of America, Soil Science Society of America. p 215-224.
Notes**:** S 11.4 #15459

Smith RG, Menalled FD, Robertson GP. 2007***. Temporal Yield Variability under Conventional and Alternative Management Systems.*** Agron.J. 99(6):1629-1634.
Notes**:** #17882e

Sobulo RA. 1982. ***Soil tests and phosphorus requirements of maize on Alfisols in Nigeria. In: Conference Name: Phosphorus and Potassium in the Tropics***.Proceedings of the International Conference. Malaysian Society of

Soil Science: 17-19 August 1981, Kuala Lumpur, Malaysia. p 191–202.
Notes**:** S 2.8.1.2 # 7165

Soepartini M, Sholeh M. 1986***. Effect of N and P fertilizers on yield of maize grown on Typic Paleudults in Lampung for two consecutive seasons.*** Pemberitaan Penelitian Tanah dan Pupuk. 6:19-25.
Notes**:** #15660e

Sogbedji JM, van Es HM, Agbeko KL. 2006***. Cover Cropping and Nutrient Management Strategies for Maize Production in Western Africa.*** Agron.J. 98(4):883-889.
Notes**:** #17592e

Soil and Fertilizer Institute. 1990. ***Proceedings of the International Symposium on Balanced Fertilization.*** Beijing, 7-12 November 1988. China Academy of Agricultural Sciences (CAAS). p 1-435.
Notes**:** S 21.6 # 966e

Soil Science Society of America. 1991***. Effects of Enhanced Ammonium Diets on Growth and Yield of Wheat and Corn***. Proceedings of a Symposium, Denver, Colorado, 30 October 1991. Atlanta, Georgia: Potash and Phosphate Institute. p106.
Notes**:** S 8.2.2 #5857

Solari F, Shanahan J, Ferguson R, Schepers J, Gitelson A. 2008. ***Active Sensor Reflectance Measurements of Corn Nitrogen Status and Yield Potential***. Agron.J. 100(3):571-579.
Notes**:** #17970e

Spear SN, Asher CJ, Edwards DG. 1978***. Response of cassava, sunflower and maize to potassium concentration in solution. I. Growth and plant potassium concentration***. Field Crops Res. 1:347–361
Notes**:** H 8.4.1.1 # 5559

Spear SN, Asher CJ, Edwards DG. 1978***. Response of cassava, sunflower and maize to potassium concentration in solution. II. Potassium absorption and its relation to growth***. Field Crops Res. 1:363–373
Notes**:** H 8.4.1.1 # 5560

Spear SN, Asher CJ, Edwards DG. 1978. ***Response of cassava, sunflower and maize to potassium concentration in solution. III. Interactions between potassium, calcium and magnesium***. Field Crops Res. 1:375–389
Notes**:** H 8.4.1.1 # 5561

Sprague EW, Paliwal RL. 1984. ***CIMMYT's maize improvement programme***. Outlook on Agriculture. 13:24–31
Notes**:** H 8.2.2 # 3853

Sripada RP, Heiniger RW, White JG, Meijer AD. 2006. ***Aerial Color Infrared Photography for Determining Early In-Season Nitrogen Requirements in Corn.*** Agron.J. 98(4):968-977.
Notes**:** 10.2134/agronj2005.0200

Sripada RP, Heiniger RW, White JG, Weisz R. 2005***. Aerial Color Infrared Photography for Determining Late-Season Nitrogen Requirements in Corn.*** Agron.J. 97(5):1443-1451.
Notes**:** #17465e

Sripada RP, Schmidt JP, Dellinger AE, Beegle DB. 2008. ***Evaluating Multiple Indices from a Canopy Reflectance Sensor to Estimate Corn N Requirements.*** Agron.J. 100(6):1553-1561.
Notes**:** #18025e

Stafford JV, Lark RM, Bolam HC. 1999. ***Using yield maps to regionalize fields into potential management units.*** In:Precision Agriculture - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part A). United States of America: America Society of Agronomy, Crop Science Society of America, Soil Science Society of America. p 225-238.
Notes**:** S 11.4 #15460

Staggenborg SA, Dhuyvetter KC, Gordon WB. 2008. ***Grain Sorghum and Corn Comparisons: Yield, Economic, and Environmental Responses.*** Agron.J. 100(6):1600-1604.
Notes**:** #18027e

Stanger TF, Lauer JG, Chavas JP. 2008***. The Profitability and Risk of Long-Term Cropping Systems Featuring Different Rotations and Nitrogen Rates***. Agron.J. 100(1):105-113.
Notes**:** #17908e

Stanger TF, Lauer JG. 2006. ***Optimum Plant Population of Bt and Non-Bt Corn in Wisconsin.*** Agron.J. 98(4):914-921.
Notes**:** 10.2134/agronj2005.0144

Stanger TF, Lauer JG. 2007. ***Corn Stalk Response to Plant Population and the Bt-European Corn Borer Trait***. Agron.J. 99(3):657-664.
Notes**:** #17767e

Stanger TF, Lauer JG. 2008. ***Corn Grain Yield Response to Crop Rotation and Nitrogen over 35 Years.*** Agron.J. 100(3):643-650.
Notes**:** #17979e

Steffey KL, Rice ME, All J, Andow DA, Gray ME, van Duyn JW. editors. 1999. ***Handbook of corn insects.*** Maryland: Entomological Society of America (ESA), U.S.A. p 1-164.
Notes**:** S 8.2.2.2 #14748

Stevens WB, Hoeft RG, Mulvaney RL. 2005***. Fate of Nitrogen-15 in a Long-Term Nitrogen Rate Study: II. Nitrogen Uptake Efficiency.*** Agron.J. 97(4):1046-1053.
Notes**:** #17417e

Stevens WB, Hoeft RG, Mulvaney RL. 2005. ***Fate of Nitrogen-15 in a Long-Term Nitrogen Rate Study: I. Interactions with Soil Nitrogen***. Agron.J. 97(4):1037-1045.
Notes**:** #17416e

Stevenson C , VanKessel C. 1996. ***A landscape-scale assessment of the nitrogen and non-nitrogen benefits of pea in a crop rotation.*** In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 55-63.
Notes**:** S 11.4 #14747 > #14937

Stewart DW, Costa C, Dwyer LM, Smith DL, Hamilton RI, Ma BL. 2003. ***Canopy Structure, Light Interception, and Photosynthesis in Maize.*** Agron.J. 95(6):1465-1474.
Notes**:** #17062e

Stewart DW, Dwyer LM, Carrigan LL. 1998. ***Phenological temperature response of maize.*** Agron.J. 90(1):73-79.
Notes**:** 14485e

Stewart WM, Dibb DW, Johnston AE, Smyth TJ. 2005. ***The Contribution of Commercial Fertilizer Nutrients to Food Production.*** Agron.J. 97(1):1-6.
Notes**:** #17291e

Strachan SD, Kaplan SL. 2001. ***Responses of High-Oil and Hybrid Corn to Rootworm Beetles during Pollination.*** Agron.J. 93(5):1043-1048.
Notes**:** #16682e

Suarez SA, de la Fuente EB, Ghersa CM, Leon RJC. 2001. ***Weed Community as an Indicator of Summer Crop Yield and Site Quality.*** Agron.J. 93(3):524-530.
Notes**:** #16621e

Subandi, Syafruddin, Akil M, Saenong S, Kasim F. 2004***. Maize production in Indonesia. Current constraints and option for future improvement.*** In: Planning and Training Workshop of Site Specific Nutrient Management-Maize (SSNM), January 26-30, 2004, Solo. p 1-14.
Notes**:** #15645e

Subedi KD, Ma BL. 2005. ***Seed Priming Does Not Improve Corn Yield in a Humid Temperate Environment.*** Agron.J. 97(1):211-218.
Notes**:** #17319e

Sudduth KA, Drummond ST, Birrell SJ, Kitchen NR. 1996. ***Analysis of spatial factors influencing crop yield.*** In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 129-139.
Notes**:** S 11.4 #14747 > #14940

Sudjadi M, Prawirasumantri J, Palmer B. 1985. ***Responses to applied lime on a Typic Paleudults*** Nakau, North Lampung. Penelitian Tanah.(Pros. No. 5):177-184.
ID: 15662
Notes**:** #15661e

Sukthumrong A, Chotechaungmanirat S, Chancharoensook J, Veerasan V. 1987. ***The Effect of Green Manure-Chemical Fertilizer Combinations on Soil Fertility and Yield of Corn.***
Notes**:** CallNumber: 7507

Sulc RM, Tracy BF. 2007***. Integrated Crop-Livestock Systems in the U.S. Corn Belt***. Agron.J. 99(2):335-345.
Notes**:** #17725e

Suman A, Lal M, Singh AK, Gaur A. 2006***. Microbial Biomass Turnover in Indian Subtropical Soils under Different Sugarcane Intercropping Systems***. Agron.J. 98(3):698-704.
Notes**:** #17573e

Suryanto, Lambert K. 1992***. Relative agronomic effectiveness of phosphate fertilizers for corn on limed peat from Pontianak, Indonesia***. (Paper 29). In: Conference Name: International Conference on Fertiliser Usage in the Tropics. 24-27 August 1992, Kuala Lumpur, Malaysia.
Notes**:** H 2.8.1.2 #2854

Suwanarit A , Changsalug S. 1988. ***Simulating Effects of Foliar K-Fertilizer Applied at Appropriate Stage of Development of Corn: First Field Confirmation. In:Thailand National Corn and Sorghum Program*** – 1988 Annual Report. Bangkok: p52–56.
Notes**:** H 8.2.2.1 # 11998

Suwanarit A , Changsalug S. 1989. ***Stimulating Effects of Foliar K-Fertilizer Applied at Appropriate Stage of Development of Corn:*** Second Field Confirmation. In:Thailand National Corn and Sorghum Program – 1989 Annual Report. Bangkok: p305–317.
Notes**:** H 8.2.2.1 #11999]

Suwanarit A, Rungchuang J, Buranakarn S, Thondang S. 1995. ***Stimulating effects of foliar K fertilizer applied at appropriate stage of development of corn on the yields of corn: a field confirmation.*** Department of Agriculture,

Department of Agricultural Extension, Kasetsart University, p 241–246.
Notes**:** S 8.2.2.1 #11996

Suwanarit A, Sestapukdee M. 1989. ***Stimulating effects of foliar K-fertilizer applied at the appropriate stage of development of maize: A new way to increase yield and improve quality***. Plant Soil. 120:111–124
Notes**:** H 8.2.2.1 # 11997

Swastika DKS, Kasim F, Sudana W, Hendayana R, Suhariyanto K, Gerpacio RV, Pingali PL. 2004. ***Maize in Indonesia. Production systems, constraints and priorities for research***. Mexico: International Maize and Wheat Improvement Center (CIMMYT). p 1-40. **ID:** 14811
Notes**:** H 8.2.2 #14811e

T

Tanaka DL, Krupinsky JM, Merrill SD, Liebig MA, Hanson JD. 2007***. Dynamic Cropping Systems for Sustainable Crop Production in the Northern Great Plains***. Agron.J. 99(4):904-911.
Notes**:** #17794e

Tandon HLS. 1978***. NPK in Indian Agriculture*** (1971-1975). New Delhi, India: European Nitrogen Service Programme. p797.
Notes**:** S 21 # 5945

Teal RK, Tubana B, Girma K, Freeman KW, Arnall DB, Walsh O, Raun WR. 2006***. In-Season Prediction of Corn Grain Yield Potential Using Normalized Difference Vegetation Index***. Agron.J. 98(6):1488-1494.
Notes**:** 10.2134/agronj2006.0103

Teasdale JR, Coffman CB, Mangum RW. 2007. ***Potential Long-Term Benefits of No-Tillage and Organic Cropping Systems for Grain Production and Soil Improvement***. Agron.J. 99(5):1297-1305.
Notes**:** #17843e

Teasdale JR, Mangum RW, Radhakrishnan J, Cavigelli MA. 2004***. Weed Seedbank Dynamics in Three Organic Farming Crop Rotations.*** Agron.J. 96(5):1429-1435.
Notes**:** #17246e

Tejada M, Gonzalez JL. 2004***. Effects of Application of a By-Product of the Two-Step Olive Oil Mill Process on Maize Yield.*** Agron.J. 96(3):692-699.
Notes**:** #17166e

Tejada M, Gonzalez JL. 2006***. Crushed Cotton Gin Compost Effects on Soil Biological Properties, Nutrient Leaching Losses, and Maize Yield***. Agron.J. 98(3):749-759.
Notes**:** #17579e

Temperly RJ, Borges R. 2006. ***Tillage and Crop Rotation Impact on Soybean Grain Yield and Composition.*** Agron.J. 98(4):999-1004.
Notes**:** #17607e

Thanh Ha D, Dinh Thao T, Tri Khiem N, Xuan Trieu M, Gerpacio RV, Pingali PL. 2005. ***Maize in Vietnam. Production systems, constraints, and research priorities***. Mexico: International Maize and Wheat Improvement Center (CIMMYT). p 1-42.
Notes**:** H 8.2.2 #14570e

The CIMMYT Maize Program. 2003***. Maize Diseases.A Guide for Field Identification. 4th edition. Mexico: International Maize and Wheat Improvement Center*** (CIMMYT). p 1-119.
Notes**:** H 8.2.2.2 #14796e;

Thicke FE, Russelle MP, Hesterman OB, Sheaffer CC. 1993. ***Soil nitrogen mineralization indexes and corn response in crop rotations.*** Soil Sci. 156:322-335.
Notes**:** #14265

Thomison PR, Geyer AB, Bishop BL. 2001. ***Field Drying of TopCross High-Oil Corn Grain***. Agron.J. 93(4):797-801.
Notes**:** #16647e

Thomison PR, Geyer AB, Lotz LD, Siegrist HJ, Dobbels TL. 2002***. TopCross High-Oil Corn Production: Agronomic Performance.*** Agron.J. 94(2):290-299.
Notes**:** #16766e

Thomison PR, Geyer AB, Lotz LD, Siegrist HJ, Dobbels TL. 2003. ***TopCross High Oil Corn Production: Select Grain Quality Attributes***. Agron.J. 95(1):147-154.
Notes**:** #16913e

Timlin DJ, Packepsky YA, Snyder VA, Bryant RB. 1999***. Soil surface curvature and the spatial and temporal variability of corn grain yields on a hillslope.*** In:Precision Agriculture - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part A). United States of America: America Society of Agronomy, Crop Science Society of America, Soil Science Society of America. p 203-214.
Notes**:** S 11.4 #15458

Timothy DH, Harvey PH, Dowswell CR. 1988***. Delevopment and Spread of Improved Maize Varieties and Hybrids in Developing Countries.***
Notes**:** H 8.2.2 #630

Toai VK, Binh PT, Ferrari MF. 1993. ***CGPRT Crops in Viet Nam: 1976-1990. A Statistical Profile***. Working Paper 14
Notes**:** S 26.1.10 # 610

Tollenaar M, Deen W, Echarte L, Liu W. 2006. ***Effect of Crowding Stress on Dry Matter Accumulation and Harvest Index in Maize***. Agron.J. 98(4):930-937.
Notes**:** #17598e

Tong C, Hall CAS, Wang H. 2003. ***Land use change in rice, wheat and maize production in China*** (1961-1998). Agric.Ecosyst.Environ. 95:523-536.
Notes**:** #14273e

Toomsan B, McDonagh JF, Limpinuntana V, Giller KE. 1995. ***Nitrogen fixation by groundnut and soyabean and residual nitrogen benefits to rice in farmers fields in northeast thailand***. Plant Soil. 175(1):45-56.
Notes**:** H 1.7.4 #1219

Torbert HA, Potter KN, Morrison JE, Jr. 2001***. Tillage System, Fertilizer Nitrogen Rate, and Timing Effect on Corn Yields in the Texas Blackland Prairie***.
Agron.J. 93(5):1119-1124.
Notes**:** #16692e

Traore SB, Carlson RE, Pilcher CD, Rice ME. 2000***. Bt and Non-Bt Maize Growth and Development as Affected by Temperature and Drought Stress***.
Agron.J. 92(5):1027-1035.
Notes**:** 14502e

Troeh ZI, Loynachan TE. 2003***. Endomycorrhizal Fungal Survival in Continuous Corn, Soybean, and Fallow***. Agron.J. 95(1):224-230.
Notes**:** #16924e

U

University of the Philippines at Los Baños (UPLB), Bureau of Agricultural Research (BAR), Dept of Agriculture, PPI/PPIC, IPI. 2005***. Site-specific nutrient management for Maize in the Philippines***. In: Workshop Proceedings 18-19 Oct 2005. PPI/PPIC: Philippines.
Notes**:** S 8.2.2.1 #15432

University of the Philippines Los Baños (UPLB), Bureau of Agricultural Research (BAR), Dept of Agriculture, PPI/PPIC, IPI. 2006. ***Site-specific nutrient management of Maize in the Philippines - Progress Report***
May 2005 to Dec 2006.
Notes**:** S 8.2.2.1 #15434

UPLB, Bureau of Agricultural Research (BAR), Dept of Agriculture, PPI/PPIC, IPI. 2006. ***Site-specific Nutrient management for Maize in the Philippines - Workshop proceedings***. In: Workshop Processdings 25-27 July 2006. PPI/PPIC: Philippines.
Notes**:** S 8.2.2.1 #15433

Uscanga-Mortera E, Clay SA, Forcella F, Gunsolus J. 2007. ***Common Waterhemp Growth and Fecundity as Influenced by Emergence Date and Competing Crop***. Agron.J. 99(5):1265-1270.
Notes**:** #17839e

Utomo WH, Sitompul SM, van Noordwijk M. 1992***. Effects of Leguminous Cover Crops on Subsequent Maize and Soybean Crops on an Ultisol in Lampung. Agrivita***. 15:44–53
Notes**:** H 8.5.2.1 # 4581

V

Valentinuz OR, Tollenaar M. 2006. ***Effect of Genotype, Nitrogen, Plant Density, and Row Spacing on the Area-per-Leaf Profile in Maize.*** Agron.J. 98(1):94-99.
Notes**:** #17503e

van Dam JC, Malik RS. 2003. ***Water productivity of irrigated crops in Sirsa district, India : Integration of remote sensing, crop and soil models and geographical information systems.*** WATPRO final report.:1-173.
Notes**:** #16476e ISBN 90-6464-864-6. 173 pp.

van Noordwijk M, Sitompul SM, Hairiah K, Listyarini E, Syekhfani MS. 1995. ***Nitrogen supply from rotational or spatially zoned inclusion of Leguminosae for sustainable maize production on an acid soil in Indonesia.*** In: Plant-Soil Interactions at Low pH: Principles and Management.Proceedings of the Third International Symposium. Kluwer Academic Press: Brisbane, 12-16 September 1993. p 779–784.
Notes**:** Label: 8.2.2.1; CallNumber: 4143

VanKessel C, Singleton PW, Hoben HJ. 1985***. Enhanced N-transfer from a soybean to maize by vesicular arbuscular mycorrhizal (VAM) fungi***. Plant Physiol. 79:562-563.
Notes**:** 5503 - NT NOTES: Includes 17 s

Vanlauwe B, Aihou K, Aman S, Iwuafor ENO, Tossah BK, Diels J, Sanginga N, Lyasse O, Merckx R, Deckers J. 2001. ***Maize Yield as Affected by Organic Inputs and Urea in the West African Moist Savanna.*** Agron.J. 93(6):1191-1199.
Notes**:** #16703e

Varco JJ. 2000. ***No-tillage cotton responds to potassium fertilization on high CEC soils***. Better Crops. 84(4):21–23
Notes**:** CallNumber: 8769

Varvel GE, Wilhelm WW, Shanahan JF, Schepers JS. 2007. ***An Algorithm for Corn Nitrogen Recommendations Using a Chlorophyll Meter Based***

Sufficiency Index. Agron.J. 99(3):701-706.
Notes**:** #17772e

Varvel GE, Wilhelm WW. 2003***. Soybean Nitrogen Contribution to Corn and Sorghum in Western Corn Belt Rotations***. Agron.J. 95(5):1220-1225.
Notes**:** #17030e

Vasilakoglou I, Dhima K, Eleftherohorinos I. 2005***. Allelopathic Potential of Bermudagrass and Johnsongrass and Their Interference with Cotton and Corn.*** Agron.J. 97(1):303-313.
Notes**:** #17331e

Vaughan AKF. 1977. ***The relation between the concentration of boron in the reporductive and vegetative organs of maize plants and their development***. Rhodesian Journal of Agricultural Research. 15:163–170
Notes**:** H 2.8.3.3 # 1689

Velly J, Roche P. 1973***. A comparison between several phosphate fertilizers used on irrigated paddy-rice and on maize in Madagascar.*** L'agronomie Tropicale. XXVIII:946-956.
Notes**:** H 21.1 #5376

Verhagen J. 1996. ***A study on pattern development of nitrate leaching and potato yield for a farm field. Precision agriculture -*** proceedings of the 3rd international conference.:279
Notes**:** S 11.4 #14747 > #14951

Vetsch JA, Randall GW, Lamb JA. 2007. ***Corn and Soybean Production as Affected by Tillage Systems.*** Agron.J. 99(4):952-959.
Notes**:** #17800e

Vetsch JA, Randall GW. 2002***. Corn Production as Affected by Tillage System and Starter Fertilizer***. Agron.J. 94(3):532-540.
Notes**:** #16798e

Vetsch JA, Randall GW. 2004. ***Corn Production as Affected by Nitrogen Application Timing and Tillage.*** Agron.J. 96(2):502-509.
Notes**:** #17142e

Villar-Mir JM, Villar-Mir P, Stockle CO, Ferrer F, Aran M. 2002. ***On-Farm Monitoring of Soil Nitrate-Nitrogen in Irrigated Cornfields in the Ebro Valley (Northeast Spain).*** Agron.J. 94(2):373-380.
Notes**:** #16778e

Vina A, Gitelson AA, Rundquist DC, Keydan G, Leavitt B, Schepers J. 2004. ***Monitoring Maize (Zea mays L.) Phenology with Remote Sensing***. Agron.J. 96(4):1139-1147.
Notes**:** #17212e

Vinocur MG, Ritchie JT. 2001. ***Maize Leaf Development Biases Caused by Air-Apex Temperature Differences***. Agron.J. 93(4):767-772.
Notes**:** #16643e

Voss RD. 1993. Corn. In: Bennett WF, editor. ***Nutrient Deficiencies and Toxicities in Crop Plants***. St. Paul, Minnesota: The American Phytopathological Society. p 11-14.
Notes**:** S 2.5 # 9716

Vyn TJ, Janovicek KJ. 2001***. Potassium Placement and Tillage System Effects on Corn Response following Long-Term No Till.*** Agron.J. 93(3):487-495.
Notes**:** #16617e

W

Waddington SR, Karigwindi J. 2001. ***Productivity and Profitability of Maize + Groundnut Rotations Compared With Continuous Maize on Smallholder Farms in Zimbabwe***. Expl.Agric. 37(1):83–98
Notes**:** 01/07/23
CallNumber: 9252

Walker T, Friday J, Casimero M, Dollentas R, Mataia A, Acda R, Yost R. 2009. The early economic impact of a nutrient management decision support system (NuMaSS) on small farm households cultivating maize on acidic, upland soils in the Philippines. Agric.Syst. 101(2009):162-172. Notes**:** H 8.2.2.1 #16202e

Wallach D, Goffinet B, Bergez JE, Debaeke P, Leenhardt D, Aubertot JN. 2001***. Parameter Estimation for Crop Models: A New Approach and Application to a Corn Model.*** Agron.J. 93(4):757-766.
Notes**:** #16642e

Walsh LM, Murdock JT. 1963. ***Recovery of fixed ammonium by corn in greenhouse studies. Soil*** Sci.Soc.Am.Proc. 27:200-204.
Notes**:** 5553

Walters DT, Dobermann A, Lindquist JL, Cassman KG, Specht JE, Arkebauer TJ, Yang HS, Nelson LA, Binder DL, Teichmeier G. 2003. ***Productivity and nutrient requirements of temperate maize grown near the yield potential ceiling***. Agron.J.
Notes**:** #14340e

Wang J, Yang X, Li Y, Elliott PF. 2006. ***Pollination Competition Effects on Gene-Flow Estimation: Using Regular vs. Male-Sterile Bait Plants***. Agron.J. 98(4):1060-1064.
Notes**:** #17614e

Wardle DA, Yeates GW, Watson RN, Nicholson KS. 1993***. Response of soil microbial biomass and plant litter decomposition to weed management strategies in maize and asparagus cropping systems.*** Soil Biol.Biochem. 25(7):857-868.
Notes**:** #14359

Weinert TL, Pan WL, Moneymaker MR, Santo GS, Stevens RG. 2002. ***Nitrogen Recycling by Nonleguminous Winter Cover Crops to Reduce Leaching in Potato Rotations***. Agron.J. 94(2):365-372.
Notes**:** #16777e

Weiss A, Hays CJ, Hu Q, Easterling WE. 2001***. Incorporating Bias Error in Calculating Solar Irradiance: Implications for Crop Yield Simulations***. Agron.J. 93(6):1321-1326.
Notes**:** #16720e

Wendt JW, Jones RB. 1997. ***Evaluation of the efficacy of Malawi Tundulu phosphate rock for maize production.*** Nutr.Cycl.Agroecosyst. 48:161-170.
Notes**:** #15148e

Werblow U. 1966. ***Der Anbau von Körnermais in der Welt in Abhängigkeit von den natürlichen Standortfaktoren. Technischen*** Universität Berlin. p138.
Academic Department: Fakultät für Landbau, City: Berlin
Notes: 8.2.2 #3269

Wey J, Oliver R, Manichon H, Siband P. 1998. ***Analysis of local limitations to maize yield under tropical conditions.*** Agron.J. (in press)
Notes**:** 544, 6522

Wiatrak PJ, Wright DL, Marois JJ, Sprenkel R. 2004***. Corn Hybrids for Late Planting in the Southeast. Agron.J. 96(4):1118-1124.***
Notes**:** #17209e

Wiatrak PJ, Wright DL, Marois JJ, Wilson D. 2005. ***Influence of Planting Date on Aflatoxin Accumulation in Bt, non-Bt, and Tropical non-Bt Hybrids***. Agron.J. 97(2):440-445.
Notes**:** #17347e

Widdicombe WD, Thelen KD. 2002***. Row Width and Plant Density Effects on Corn Grain Production in the Northern Corn Belt.*** Agron.J. 94(5):1020-1023.
Notes**:** #16848e

Widdicombe WD, Thelen KD. 2002***. Row Width and Plant Density Effect on Corn Forage Hybrids.*** Agron.J. 94(2):326-330.
Notes**:** #16771e

Widjaja-Adhi IPG, Silva JA, Fox RL. 1990. ***Assessment of the external P requirement of maize on Paleudults and Eutrustox***. Pemberitaan

Penelitian Tanah dan Pupuk. 9:14-20.
Notes**:** #15663e

Widjaja-Adhi IPG, Silva JA. 1986***. Calibration of soil phosphorus tests for maize on Typic Paleudults and Tropeptic Eutrustox***. Pemberitaan Penelitian Tanah dan Pupuk.:32-39.
Notes**:** #15661e

Wiesler F, Horst WJ. 1994***. Root growth and nitrate utilization of maize cultivars under field conditions***. Plant Soil. 163:267-277.
Notes**:** 5533

Wilhelm EP, Mullen RE, Keeling PL, Singletary GW. 1999. ***Heat stress during grain filling in maize:*** Effects on kernel growth and metabolism. Crop Sci. 39:1733-1741.
Notes**:** 14710e

Wilhelm WW, Johnson JMF, Hatfield JL, Voorhees WB, Linden DR. 2004***. Crop and Soil Productivity Response to Corn Residue Removal: A Literature Review.*** Agron.J. 96(1):1-17.
Notes**:** #17083e

Wilhelm WW, Johnson JMF, Karlen DL, Lightle DT. 2007***. Corn Stover to Sustain Soil Organic Carbon Further Constrains Biomass Supply.*** Agron.J. 99(6):1665-1667.
Notes**:** #17888e

Wilhelm WW, Varvel GE, Schepers JS. 2005. ***Corn Stalk Nitrate Concentration Profile***. Agron.J. 97(6):1502-1507.
Notes**:** #17473e

Wilhelm WW, Wortmann CS. 2004. ***Tillage and Rotation Interactions for Corn and Soybean Grain Yield as Affected by Precipitation and Air Temperature***. Agron.J. 96(2):425-432.
Notes**:** #17133e

Williams J. 2007***. Illinois soil nitrogen test predicts southeastern U.S. corn economic optimum nitrogen rates.*** Soil Sci.Soc.Am.J. 71(735):744
Notes**:** #15930e

Williams MM, II, Lindquist JL. 2007***. Influence of Planting Date and Weed Interference on Sweet Corn Growth and Development.*** Agron.J. 99(4):1066-1072.
Notes**:** #17813e

WIllis PR, Carter PG, Johannsen CJ. 1999. ***Assessing yield parameters by remote sensing techniques.*** In:Precision Agriculture - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part B). United States of America: America Society of Agronomy, Crop Science Society of America,

Soil Science Society of America. p 1465-1474.
Notes**:** S 11.4 #15553

Win S. 1993***. Short and Long-term Measures for Agricultural Development in Myanmar. Palawija*** News. 10(No.2):1-7.
Notes**:** H 26.1.6 #11865

Witt C, Pasuquin JMCA, Dobermann A. 2006. ***Towards a site-specific nutrient management approach for maize in Asia.*** Better Crops. 90(1):28-31.
Notes**: #**14861

Witt C, Pasuquin JMCA, Dobermann A. 2008. ***A manual for the development and participatory evaluation of site-specific nutrient management for maize in tropical, favorable environments.*** Draft 02, 16 March 2008. Singapore: International Plant Nutrition Institute (IPNI).
Notes**:** 15816

Witt C, Pasuquin JMCA, Dobermann A. 2008***. Site-specific nutrient management for maize in favorable tropical environments of Asia***. In: Proceedings of the 5th International Crop Science Congress (ICSC), Jeju, Korea, April 13-18, 2008. ICSC: Jeju, Korea. p 1-4.
Notes**:** #15830

Witt C, Pasuquin JMCA, Mutters R. 2004. ***Spectral reflectance of rice and maize leaves and leaf color charts for N management [online]. In: New directions for a diverse planet***: Proceedings of the 4th International Crop Science Congress Brisbane, Australia, 26 Sep - 1 Oct 2004. Available at www.cropscience.org.au/icsc2004 (last update 2004; accessed 15 July 2005).
Notes**:#2193**

Witt C, Pasuquin JMCA. 2007. ***Research Findings II: Maize in Asia and the global demand for maize [online].*** Available at http://www.ipipotash.org/e-ifc/2007-14/research2.php (last update 2007; accessed 21 Jan. 2008).
Notes**:** 15787e

Witt C, Pasuquin JMCA. 2007. ***Research Findings III: Yield potential and yield gaps of maize in Southeast Asia [online]***. Available at http://www.ipipotash.org/e-ifc/2007-14/research3.php (last update 2007; accessed 21 Jan. 2008).
Notes**:** #15788e

Witt C, Pasuquin JMCA. 2007***. Research Findings IV: The principles of site-specific nutrient management for maize [online].*** Available at http://www.ipipotash.org/e-ifc/2007-14/research4.php (last update 2007; accessed 21 Jan. 2008).
Notes**:** #15790e

Witt C, Pasuquin JMCA. 2007***. Research Findings V: Improving the productivity and profitability of maize in Southeast Asia [online]***. Available at

http://www.ipipotash.org/e-ifc/2007-14/research5.php (last update 2007; accessed 21 Jan. 2008).
Notes: #15791e

Wittry DJ, Mallarino AP. 2004. ***Comparison of Uniform- and Variable-Rate Phosphorus Fertilization for Corn-Soybean Rotations***. Agron.J. 96(1):26-33.
Notes: #17085e

Woltz JM, Egli DB, TeKrony DM. 2005. ***Freezing Point Temperatures of Corn Seed Structures during Seed Development.*** Agron.J. 97(6):1564-1569.
Notes: #17481e

Wood GA, Thomas G, Taylor JC. 1999. ***Developing calibration technique ro map crop variation and yield potential using remote sensing***. In:Precision Agriculture - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part B). United States of America: America Society of Agronomy, Crop Science Society of America, Soil Science Society of America. p 1457-1464.
Notes: S 11.4 #15552

Wopereis MCS, Tamélokpo A, Ezui K, Gnakpénou D, Fofana B, Breman H. 2006. ***Mineral fertilizer management of maize on farmer fields differing in organic inputs in the West African savanna***. Field Crops Res. 96(2006):355-362.
Notes: S 8.2.2.1 #14800e

Wortmann CS, Dobermann AR, Ferguson RB, Hergert GW, Shapiro CA, Tarkalson DD, Walters DT. 2009. ***High-yielding corn response to applied phosphorus, potassium, and sulfur in Nebraska.*** Agron.J. 101(3):546-555.
Notes: #15898e

Wortmann CS, Xerinda SA, Mamo M, Shapiro CA. 2006. ***No-Till Row Crop Response to Starter Fertilizer in Eastern Nebraska: I. Irrigated and Rainfed Corn***. Agron.J. 98(1):156-162.
Notes: #17511e

X

Xiao W, Yu Q, Flerchinger GN, Zheng Y. 2006. ***Evaluation of SHAW Model in Simulating Energy Balance, Leaf Temperature, and Micrometeorological Variables within a Maize Canopy***. Agron.J. 98(3):722-729.
Notes: #17576e

Xie Y, Kiniry JR, Nedbalek V, Rosenthal WD. 2001. ***Maize and Sorghum Simulations with CERES-Maize, SORKAM, and ALMANAC under Water-Limiting Conditions***. Agron.J. 93(5):1148-1155.
Notes: #16697e

Y

Yang HS, Dobermann A, Cassman KG, Walters DT. 2006. ***Features, applications, and limitations of the hybrid-maize simulation model.*** Agron.J. 98(3):737-748.
Notes**:** H 16.4 #14749e

Yang HS, Dobermann A, Cassman KG, Walters DT. 2006. Hybrid-Maize (ver. 2006). ***A simulation model for corn growth and yield. Nebraska Cooperative Extension CD 9 [online]***. Available at http://www.hybridmaize.unl.edu/Index.htm (last update 2006; accessed 29 Nov. 2006). Lincoln, NE: University of Nebraska.
Notes**:** 15725

Yang HS, Dobermann A, Lindquist BA, Walters DT, Arkebauer TJ, Cassman KG. 2004. ***Hybrid-maize - a maize simulation model that combines two crop modeling approaches***. Field Crops Res. 87(2004):131-154.
Notes**:** H 8.12 #14910e

Yang J, Alley M. 2005. ***A Mechanistic Model for Describing Corn Plant Leaf Area Distribution***. Agron.J. 97(1):41-48.
Notes**:** #17297e

Yeates GW, Wardle DA, Watson RN. 1993***. Relationships between nematodes, soil microbial biomass and weed- management strategies in maize and asparagus cropping systems***. Soil Biol.Biochem. 25(7):869-876.
Notes**:** #14446

Yi UB. 1993. ***Country Paper of Myanmar*** held in Manila, Philippines 30 Nov - 3 Dec 1993. In: IFA- FADINAP Regional Fertilizer Conference held in Manila, Philippines 30 Nov - 3 Dec 1993. IFA-FADINAP: Manila, Philippines. p 8
Notes**:** H 26.1.6 #11866

Yin X, Al-Kaisi MM. 2004. ***Periodic Response of Soybean Yields and Economic Returns to Long-Term No-Tillage.*** Agron.J. 96(3):723-733.
Notes**:** #17170e

Yin X, Vyn TJ. 2002. ***Residual Effects of Potassium Placement and Tillage Systems for Corn on Subsequent No-Till Soybean.*** Agron.J. 94(5):1112-1119.
Notes**:** #16860e

Z

Zaharah AR, Sharifuddin HAH, Ahmad Sahali M. 1997***. Assessment of the Availability of Phosphate to Corn (Zea mays L) Using 32P Isotope Dilution Technique***. Malay.J.Soil Sci. 1:13-20.
Notes**:** S 1.3 #8975 > #8968

Zhang J, Blackmer AM, Ellsworth JW, Koehler KJ. 2008. ***Sensitivity of Chlorophyll Meters for Diagnosing Nitrogen Deficiencies of Corn in Production Agriculture***. Agron.J. 100(3):543-550.
Notes**:** #17966e

Zhang J, Blackmer AM, Ellsworth JW, Kyveryga PM, Blackmer TM. 2008. ***Luxury Production of Leaf Chlorophyll and Mid-Season Recovery from Nitrogen Deficiencies in Corn***. Agron.J. 100(3):658-664.
Notes**:** #17981e

Zhang M, Nyborg M, Solberg ED. 1996. ***The factor of time: a new consideration in precision farming.*** In: Robert PC, Rust RH, Larson WE, editors. Precision agriculture - proceedings of the 3rd international conference. Wisconsin: American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA). p 181-187.
Notes**:** S 11.4 #14747 > #14945

Zhang MH, Neill MO, Hendley P, Drost D, Ustin S. 1999. ***Corn and soybean yield indicators using remotely sensed vegetation index***. In:Precision Agriculture - Proceedings of the 4th International Conference 19-22 Jul 1998 (Part B). United States of America: America Society of Agronomy, Crop Science Society of America, Soil Science Society of America. p 1475-1482.
Notes**:** S 11.4 #15554

Zhang X, Chen S, Liu M, Pei D, Sun H. 2005***. Improved Water Use Efficiency Associated with Cultivars and Agronomic Management in the North China Plain***. Agron.J. 97(3):783-790.
Notes**:** #17398e

Zhang X, Pei D, Chen S, Sun H, Yang Y. 2006. ***Performance of Double-Cropped Winter Wheat-Summer Maize under Minimum Irrigation in the North China Plain***. Agron.J. 98(6):1620-1626.
Notes**:** #17680e

Zhao RF, Chen XP, Zhang FS, Zhang H, Schroder J, Romheld V. 2006. ***Fertilization and Nitrogen Balance in a Wheat-Maize Rotation System in North China***. Agron.J. 98(4):938-945.
Notes**:** #17599e

Zhu Y, Fox RH. 2003***. Corn-Soybean Rotation Effects on Nitrate Leaching***. Agron.J. 95(4):1028-1033.
Notes**:** #17006e

Ziadi N, Belanger G, Cambouris AN, Tremblay N, Nolin MC, Claessens A. 2007***. Relationship between P and N Concentrations in Corn.*** Agron.J. 99(3):833-841.
Notes**:** #17788e

Ziadi N, Brassard M, Belanger G, Cambouris AN, Tremblay N, Nolin MC, Claessens A, Parent LE. 2008. ***Critical Nitrogen Curve and Nitrogen Nutrition Index for Corn in Eastern Canada***. Agron.J. 100(2):271-276.
Notes**:** #17929e

Ziadi N, Brassard M, Belanger G, Claessens A, Tremblay N, Cambouris AN, Nolin MC, Parent LE. 2008. ***Chlorophyll Measurements and Nitrogen Nutrition Index for the Evaluation of Corn Nitrogen Status.*** Agron.J. 100(5):1264-1273.
Notes**:** #18014e

Ziems JR, Hoback WW, Higley LG, Hunt TE, Fernandes OA, Bastos C, de Freitas Bueno A. 2008. ***Second Generation European Corn Borer Injury and Irish Potato Physiology, Yield, and Quality.*** Agron.J. 100(3):720-725.
Notes**:** #17989e