

GENERAL

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0 CLIMATE

1 SOILS

1.1 Soil classification and description

1.2 Soil chemistry

1.3 Soil science

1.4 Tropical soils

1.4.1 Acid soils

1.4.2 Peat soils

1.4.3 Acid sulphate soils

1.4.4 Rice soils

1.4.5 Others

 (but volcanic, ultramafic)

1.5 Regional soils

1.6 Soil erosion/degradation

1.7 Soil Rehabilitation

1.7.1 Conservation

1.7.2 Liming

1.7.3 Land clearing

**1.7.4 Biological management
 of soil fertility**

1.8 Soil fertility management

1.9 Soil organic matter

2 PLANTS

2.1 Botany

2.1.1 Ecology

2.1.2 Plant Breeding

2.1.3 Biotechnology

2.1.4 Tropical forests

2.2 Physiology

2.3 Diseases

2.4 Disorders

2.5 Deficiencies

2.6 Quality

2.7 Roots

2.8 Nutrition

2.8.1 Macro nutrients

2.8.1.1 Nitrogen

2.8.1.2 Phosphorus

2.8.1.3 Potassium

2.8.2 Secondary nutrients

2.8.2.1 Calcium

2.8.2.2 Magnesium

2.8.2.3 Sulphur

2.8.3 Micronutrients

2.8.3.1 Zinc

2.8.3.2 Copper

2.8.3.3 Boron

2.8.3.4 Chlorine

2.8.3.5 Others

- 2.8.4 Fertigation**
- 2.8.5 Nutrient use efficiency**

3 ANALYSIS

- 3.1 Soil analysis**
- 3.2 Plant analysis**
- 3.3 Fertilizer analysis**
- 3.4 Systems analysis**
- 3.5 Equipment**

4 WEED IDENTIFICATION AND CONTROL

- 4.1 Herbicides**

5 PEST IDENTIFICATION AND CONTROL

- 5.1 Pesticides**

6 MINERAL TOXICITIES

7 WATER MANAGEMENT

- 7.1 Soil-Water Relations**
- 7.2 Irrigation**

8 CROP MANAGEMENT

- 8.1 Perennial crops**
 - 8.1.1 Oil palm**
 - 8.1.1.1 Nutrition**
 - 8.1.1.2 Residue management**

- 8.1.1.3 Physiology**
- 8.1.1.4 Pest and disease**
- 8.1.1.5 Economics**
- 8.1.1.6 Field management**
- 8.1.1.7 Planting materials**
- 8.1.1.8 Soil management**
- 8.1.2 Rubber**
 - 8.1.2.1 Nutrition**
 - 8.1.2.2 Pest and disease**
- 8.1.3 Coconut**
 - 8.1.3.1 Nutrition**
 - 8.1.3.2 Pest and disease**
- 8.1.4 Cocoa**
 - 8.1.4.1 Nutrition**
 - 8.1.4.2 Pest and disease**
- 8.1.5 Coffee**
 - 8.1.5.1 Nutrition**
 - 8.1.5.2 Pest and disease**
- 8.1.6 Tea**
 - 8.1.6.1 Nutrition**
 - 8.1.6.2 Pest and disease**
- 8.1.7 Others**
- 8.2 Cereals**
 - 8.2.1 Rice**
 - 8.2.1.1 Nutrition**
 - 8.2.1.2 Pest and disease**
 - 8.2.1.3 Crop management**
 - 8.2.1.4 Crop models**
 - 8.2.2 Maize**

	8.2.2.1 Nutrition	8.6.3.2 Pest and disease
	8.2.2.2 Pest and disease	8.6.4 Nuts
	8.2.2.3 Crop management	8.6.5 Others
	8.2.3 Others	8.7 Vegetables
8.3	Sugar crops	8.8 Forage and fodder crops
	8.3.1 Sugar cane	8.9 Fibre crops
	8.3.1.1 Nutrition	8.10 Spices
	8.3.1.2 Pest and disease	8.11 Other crops
8.4	Root and tuber crops	8.12 Crop modeling
	8.4.1 Cassava	9 AGROFORESTRY
	8.4.1.1 Nutrition	10 LIVESTOCK
	8.4.1.2 Pest and disease	11 FARMING SYSTEM
	8.4.2 Sweet potato	11.1 Upland improvement
	8.4.3 Others	11.2 Lowland improvement
8.5	Legumes	11.3 Soil-less culture
	8.5.1 Crops	11.4 Precision Agriculture
	8.5.1.1 Soya bean	11.5 Sustainable land use
	8.5.1.2 Peanuts	11.6 Organic Farming
	8.5.1.3 Others	12 FORESTRY
8.6	Fruits	13 RURAL DEVELOPMENT
	8.6.1 Citrus	13.1 Agriculture economics
	8.6.1.1 Nutrition	13.2 Agriculture development
	8.6.1.2 Pest and disease	13.3 Modelling
	8.6.2 Banana	13.4 Credit
	8.6.2.1 Nutrition	13.5 Marketing
	8.6.2.2 Pest and disease	13.6 Extension services
	8.6.3 Pineapple	14 POST HARVEST
	8.6.3.1 Nutrition	15 ENVIRONMENTAL ISSUES
		15.1 Biodiesel / biofuels

16	RESEARCH AND DEVELOPMENT	
16.1	Statistical analysis of experiments	21.7.1 Zn
16.2	Experimental design	21.7.2 Cu
16.3	Training and education	21.7.3 Boron
17	FOOD SECURITY	21.7.4 Chlorine
18	SMALLHOLDERS	21.7.5 Others
19	WORLD STATISTICS	
19.1	Area	22 FERTILIZER TECHNOLOGY
19.2	Population	22.1 Distribution
19.3	Food and nutrition	22.2 Fertilizer quality
19.4	Crops	23 FERTILIZER AND THE ENVIRONMENT
19.5	Prices	24 FERTILIZER PRICES
20	WORLD FERTILIZER	25 FERTILIZER PRODUCTS
20.1	Fertilizer policy	25.1 Nitrogen
20.1.1	Market Development	25.2 Phosphorus
20.2	Fertilizer legislation	25.3 Potassium
20.3	Fertilizer statistics	25.4 Magnesium
20.3.1	P	25.5 Sulphur/sulfur
20.3.2	K	25.6 Compounds
20.3.3	N	25.7 Lime
20.3.4	Others	25.8 Foliar fertilizers
21	FERTILIZER USE	25.9 Micronutrients
21.1	Phosphate	25.9.1 Zn
21.2	Potash	25.9.2 Cu
21.3	N Fertilizer	25.9.3 Boron
21.4	Compounds	25.9.4 Chlorine
21.5	Fertilizer use by crops	25.9.5 Others
21.6	Balanced fertilizer use	25.10 Fertilizer supporting products
21.7	Micronutrients	25.11 Organic waste / Organic manure
26	ASIA	
		26.1 South East Asia

- 26.1.1 Brunei**
- 26.1.2 Cambodia**
- 26.1.3 Indonesia**
- 26.1.4 Laos**
- 26.1.5 Malaysia**
- 26.1.6 Myanmar**
- 26.1.7 Philippines**
- 26.1.8 Singapore**
- 26.1.9 Thailand**
- 26.1.10 Vietnam**
- 26.2 East Asia**
 - 26.2.1 China**
 - 26.2.2 Taiwan**
 - 26.2.3 Japan**
 - 26.2.4 Republic of Korea**
 - 26.2.5 North Korea**
- 26.3 South Asia**
 - 26.3.1 Bangladesh**
 - 26.3.2 India**
 - 26.3.3 Sri Lanka**
 - 26.3.4 Others**
- 26.4 Pacific**
 - 26.4.1 Australia**
 - 26.4.2 Fiji**
 - 26.4.3 New Zealand**
 - 26.4.4 Papua New Guinea**
 - 26.4.5 Solomon Islands**
- 27 AFRICA**
- 28 SOUTH AMERICA**
- 29 NORTH AMERICA**
- 30 EUROPE**
- 31 PROJECTS**
- 32 CATALOGUES**
 - 32.1 Publications**
(A-Z by Publishers-Rack)
 - 32.2 Conference**
(Date order of conference-rack)
 - 32.3 Equipment**
(A-Z of Manufacturer/Agent-rack)
- 33 Newsletters A-Z (Boxes)**
- 34 Maps**
- 35 Reports**
 - 35.1 PP-Atlanta**
35.1.1 Monthly report (1 year)
 - 35.2 PPI-International program**
35.2.1 Monthly report (1 year)
 - 35.3 PPI-SE Asia**
 - 35.4 Group Plantation**
- 36 PRINTING**
- 37 CLIPPINGS**
- 38 PPI MEMBER COMPANIES (A-Z)**
- 39 OFFICE MANAGEMENT**
- INSTITUTION AND ORGANIZATION**
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