

Recent Agricultural and Fertilizer Use Developments in Thailand



National Fertilizer Public Company Limited

GENERAL INFORMATION



TOTAL LAND	Mha	51.3
FARM HOLDING LAND	Mha, 2000	20.9
IRRIGATED LAND	Mha, 2000	5.0
FARM SIZE	ha, 2000	3.9
NO. OF FARM	mil. farm, 2000	5.3
TOTAL POPULATION	mil.person,1998	61.2
COUNTRY GDP	bil. US\$,1998	104.2
AGRICULTURAL GDP	bil. US\$,1998	13.9
CROP GDP	bil. US\$,1998	7.9
PER CAPITA INCOME	US\$, 1997	1,273
TOTAL EXPORT	bil. US\$,2000	61.6
AGRICULTURAL EXPORT	bil. US\$,2000	13.8

Source :Office Agri. Economics.

Prominent Crops Growing Area

(Mha)

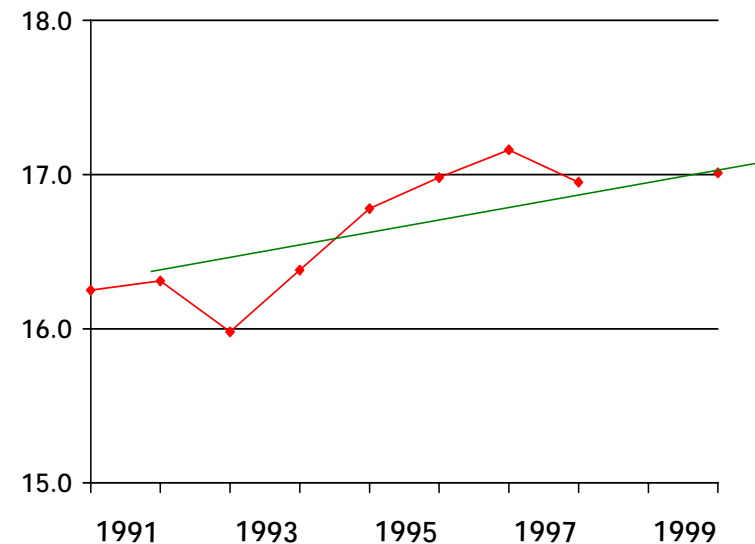
1. Rice	10.5
2. Corn	1.3
3. Cassava	1.2
4. Sugarcane	0.9
5. Para Rubber	1.6
6. Oil Palm	0.3
7. Fruit Trees	1.4

Total 17.2

**81.3 % of Farm
Holding Land**

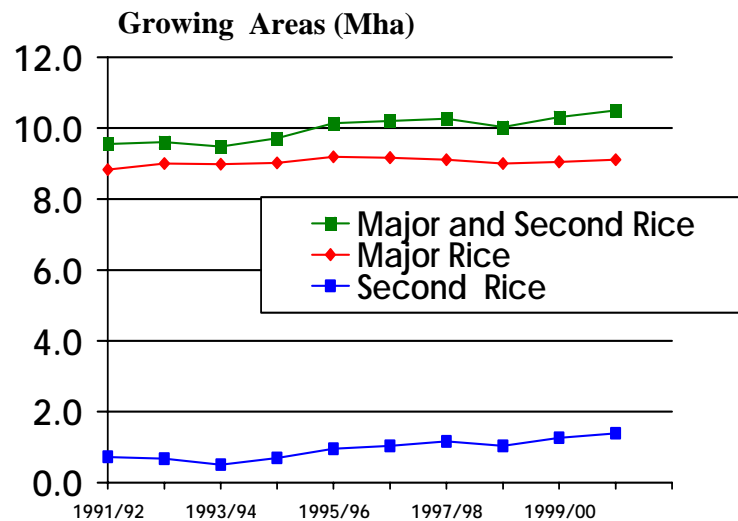
Total Growing Area of Prominent Crops

Growing Areas (Mha)



Source : Office of Agricultural Economics

Rice Growing Area



Source: Office of Agricultural Economics.

Major Rice 8.83 → 9.11 = +0.28 Mha (3.2 %)

Second Rice 0.72 → 1.39 = +0.67 Mha (93.1 %)

Total 9.55 → 10.50 = +0.95 Mha (100 %)

Fertilizers Used for Rice

16-20-0 16-16-8

16-8-8 46-0-0

Rate of Application 200 kg/ha

Total Fertilizer Use : 2.0 Mt

Planting Method

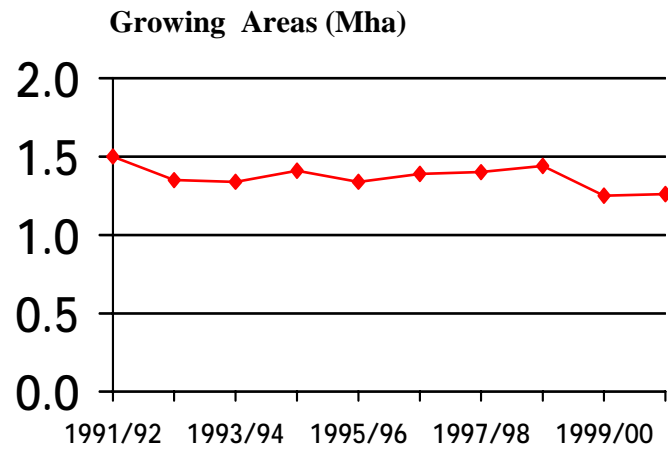
Transplanting



Broadcasting



Corn



Source: Office of Agricultural Economics.

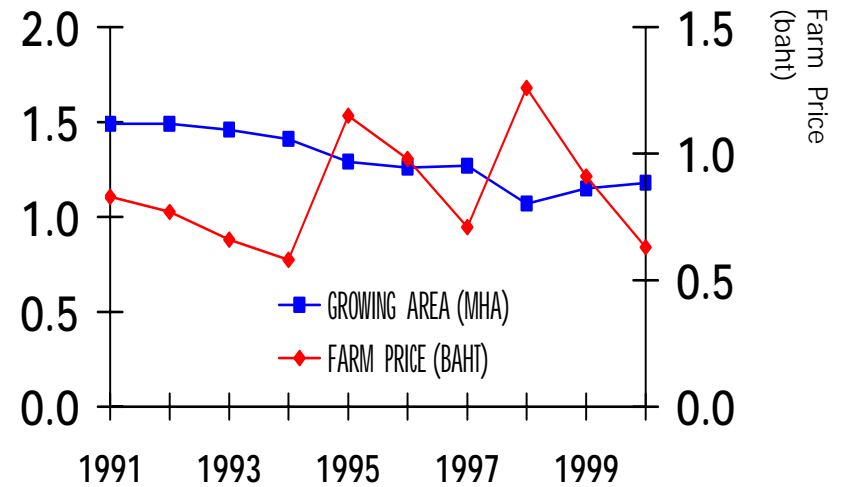
1.50 to 1.26 = -0.24 Mha (-16.0 %)

16-20-0 15-15-15 46-0-0

Rate of Application : 200 kg/ha

Total Fertilizer Use : 0.26 Mt

Cassava



Source: Office of Agricultural Economics.

1.49 to 1.18 = -0.31 Mha -20.8 %

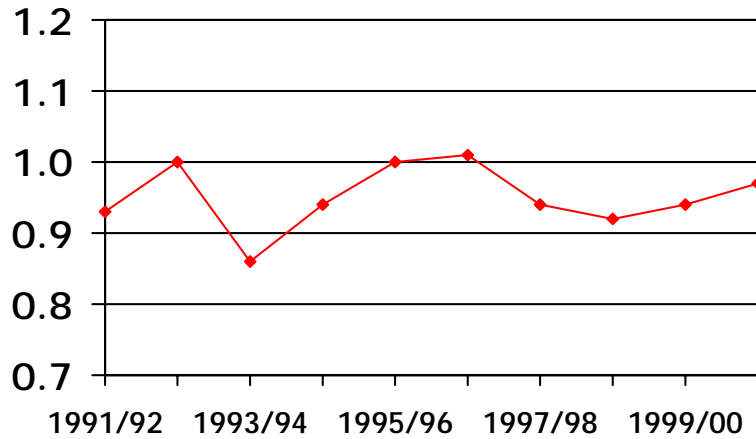
15-15-15

Rate of Application : 160 kg/ha

Total Fertilizer Use : 0.20 Mt

Sugarcane

Growing Areas (Mha)



Source : Office of Agricultural Economics.

0.92 to 0.87 = - 0.05 Mha (-5.4 %)

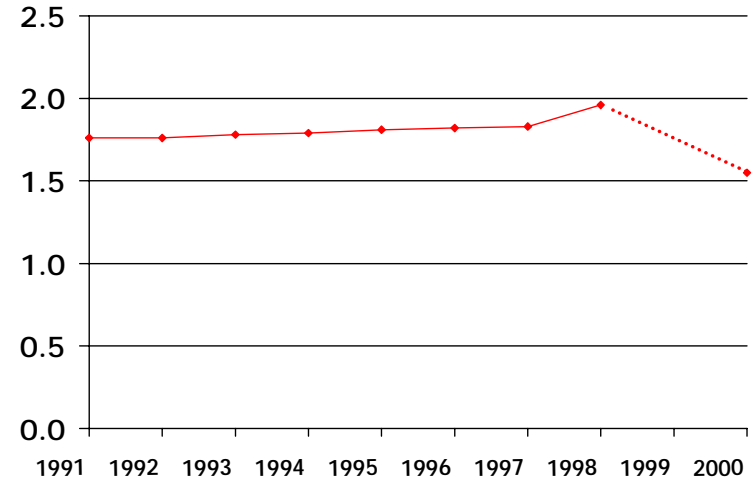
15-15-15 46-0-0 21-0-0

Rate of Application : 340 kg/ha

Total Fertilizer Use : 0.32 Mt

Para Rubber

Growing Areas (Mha)



Source: Rubber Research Institute.

1.76 to 1.55 = -0.21 Mha (-11.9 %)

14-4-9 18-4-5

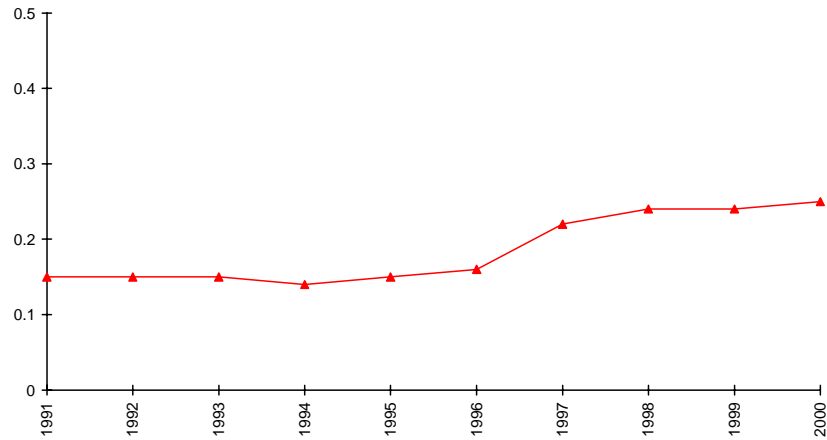
15-7-18 15-15-15

Rate of Application : 160 kg/ha

Total Fertilizer Use : 0.32 Mt

Oil Palm

Growing Areas (Mha)



Source : Department of Agricultural Extension.

0.15 to 0.25 = +0.10 Mha (66.7 %)

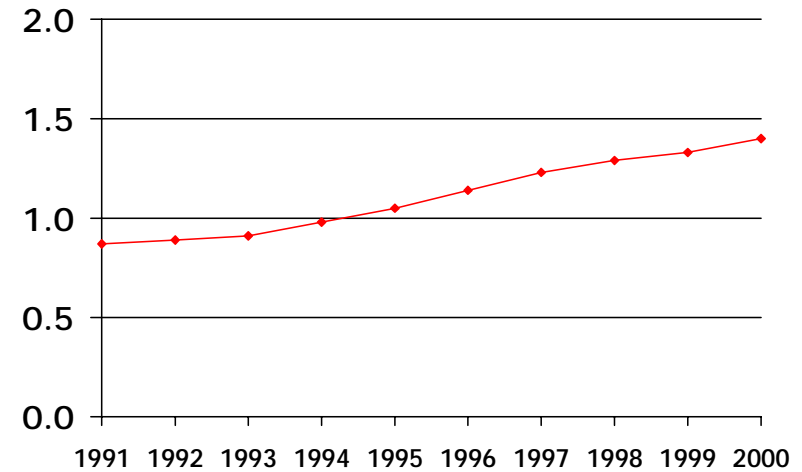
15-15-15 21-0-0
 0-0-60 Phosphate Rock

Rate of Application : 480 kg/ha

Total Fertilizer Use : 0.12 Mt

Fruit Trees

Growing Areas (Mha)



Source : Department of Agricultural Extension.

0.87 to 1.40 = +0.53 Mha (60.9 %)

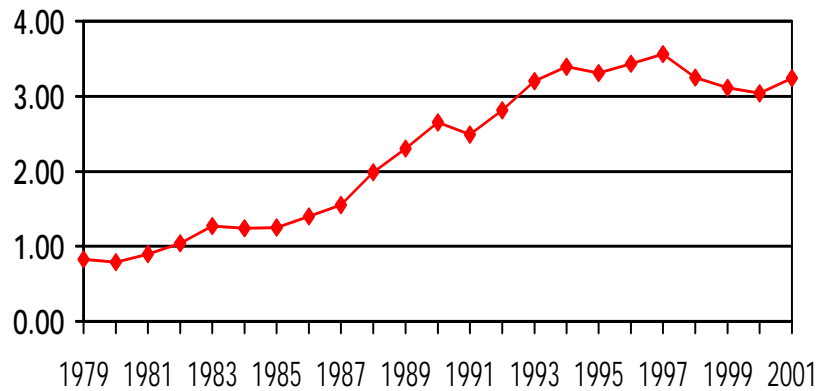
15-15-15 13-13-21 8-24-24

Rate of Application : 190 kg/ha

Total Fertilizer Use : 0.25 Mt

Total Fertilizer Consumption

Fertilizer Consumption
(million tonnes)



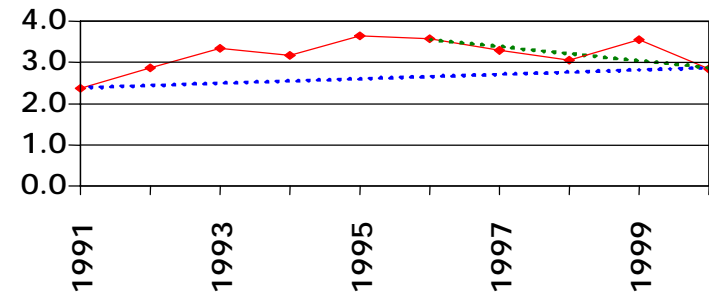
Sources: Office of Agricultural Economics.

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(1991-2000) 2.49 to 3.04 = +0.55 Mt (22.1 %)

Total Fertilizer Imports

Imported Quantity
(million tonnes)



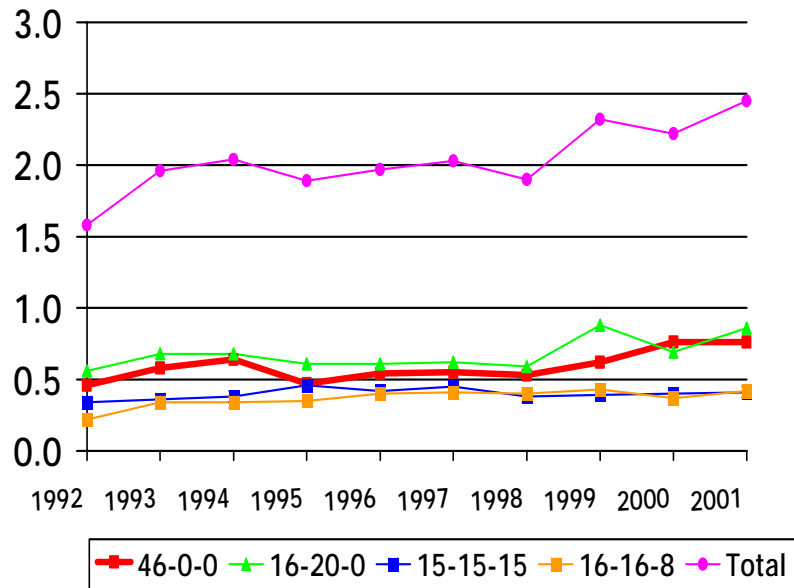
Source: Custom Department.

(1991-2000) 2.37 to 2.85 = + 0.48 Mt (20.3 %)

(1996-2000) 3.57 to 2.85 = -0.71 Mt (-19.9 %)

Prominent Fertilizer Grades Consumed in Thailand

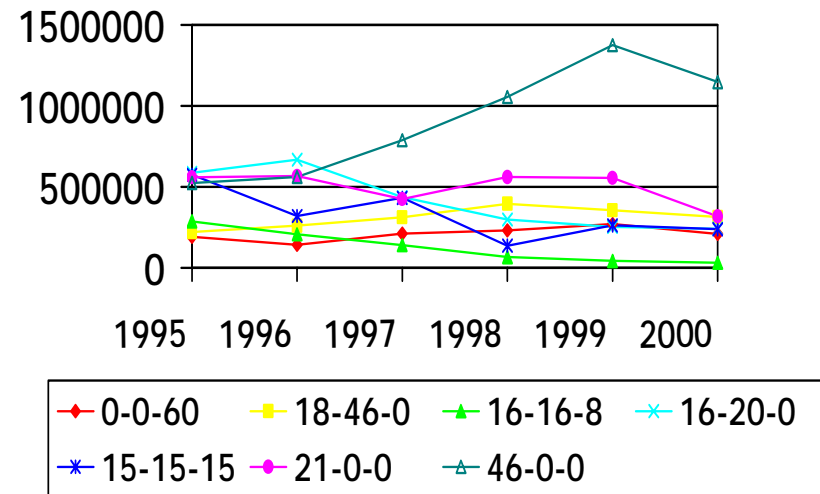
Fertilizer Consumption
(million tonnes)



Source: Office of Agricultural Economics.
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Prominent Fertilizer Grades Imported to Thailand

Imported Quantity
(tonnes)



Source : Custom Department