



Recommendation Sheet No. 24
(July 1983)

FERTILIZATION OF MAIZE

Adequate fertilization is essential if the newly-recommended maize hybrids are to achieve their full yield potential. Potential yields vary with variety, soil nutrient status and season.

The recommended fertilizer rates differ for the two planting seasons. Yields obtained in the first season (March-April plantings) are lower than those obtained in the second season (August-September plantings). Maize in full stand and irrigated should yield 4 - 5.5 t/ha in the first season and 6 - 7.5 t/ha in the second.

Fertilizers have been chosen on the basis of their efficiency, ease of handling and relative price. A complex fertilizer is recommended for mechanical application as it is not practical to apply mixtures of simple fertilizers in this way.

At planting, fertilizers should be placed in the furrows and covered with a layer of soil to prevent direct contact between seeds and fertilizers.

A second application of nitrogen should be applied one month after planting.

	FIRST SEASON		SECOND SEASON	
	Kg/ha	(Kg/arp)	Kg/ha	(Kg/arp)
FULL STAND				

At planting

Either

13:13:20:2	600	(250)	800	(350)
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Or

Calcium Ammonium Nitrate	300	(125)	400	(170)
+ Triple Super Phosphate	125	(50)	200	(85)
+ Muriate of Potash	200	(85)	300	(125)

At one month

Calcium Ammonium Nitrate	475	(200)	700	(300)
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SUGAR CANE INTERROWS

At planting

Either

13:13:20:2	150	(65)	200	(85)
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Or

Calcium Ammonium Nitrate	75	(30)	100	(40)
+ Triple Super Phosphate	30	(15)	50	(20)
+ Muriate of Potash	50	(20)	75	(30)

At one month

Calcium Ammonium Nitrate	120	(50)	175	(75)
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