

a g r i c u r a

Growing Farming Generations

PRODUCTION REQUIREMENTS FOR 1 HECTARE OF MAIZE

Seed requirements: Generally require about 25 kgs of seed, specifically varies with variety, planting time, farming region

Plant population: 45 000 to 55 000 depending with the variety, time of planting, agro-ecological region, intended purpose eg fodder

Fertilizer requirements		Product	Rate/ha	Nitrogen	Phosphate	Potash	Sulphur	Comments	Rate/ha
Base Dressing	Agricura Compound D	7:14:7 9S	400	28	56	28	36	All at or before planting	
Top dressing	Ammonium Nitrate (34.5% N)	AN	400	138	0	0	0	Split apply at 3-4 & 6-7 weeks after planting	
	OR		Total	166	56	28	36		
Base dressing	Agricura Double D	14:28:14 1.8S	200	28	56	28	4	As above	
Top dressing	Ammonium nitrate (34.5% N)	AN	400	138	0	0	0	As above	
			Total	166	56	28	4		

Herbicides, Insecticides and Fungicides

Problem	Product	Application rate	Application Remarks
Grasses, B/L weeds, Sedges,	S-Metolachlor/Dual Magnum	1.3 - 1.9 lt/ha	Pre-emergent against grasses and some broad leaved weeds
	Atranex/Atrazine	3.6-5.5 lt/ha	Pre-emergent or early post against broad leaved weeds
	Relay/Harness/Aceto chlor	1lt/ha	Pre-emergent against grasses and some broad leaves
	Basagran/Bentazone	3.0- 5.0 lt/ha	Post-emergent against broad leaves and nut sedge
	Halosulfuron	50 g/ha	Post-emergent. Grasses, B/L weeds & Yellow nutsedge.
	Stellar Star	0.7-1.0 lt/ha	Post-emergent. Annual grasses & some B/Lweeds.
	MCPA	3 - 5 lt/ha	Pre or post emergent against broad leaved weeds only
	Dicamba/Banvel	300 - 500mls/ha	Post emergent against broad leaved weeds only
	Alachlor/Laso	3 - 4lt/ha	Pre-emergent against grasses and some B/L weeds
	Nicosulfuron/Ascent	45grms/ha	Post emergent against Shamva grass, grasses and B/Leaves
	Terbutryn/terbutrex	2 - 4lt/ha	Pre-emergent against Grasses and B/L weeds
	Paraquat	1 - 2lt/ha	Post emergent directed from tasseling
Conservation Tillage	Roundup/Glyphosate	1 - 6 lt/ha	Apply to weeds before or just after planting

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Stalk borers	Lambda cyalothrin	200mls/ha	Apply as at first sign of infestation
African Armyworm	Decis forte	125mls/ha	Apply as at first sign of infestation
Cutworms	Carbaryl 85 WP	1kgs/ha	Full cover spray and repeat as necessary.
Boll Worms	Chlopyrifos	350 - 400 mls	Spray over the top in 200 - 500 litres of water
Fall Armyworm	Fenvelerate	200mls/ha	Apply as at first sign of infestation
	Belt	38mls/ha	Apply as at first sign of infestation
	Cartap hydrochloride	800grms/ha	Apply as at first sign of infestation
	Avaunt/Steward	250mls/ha	Apply as at first sign of infestation
	Karate zeon	200mls/ha	Apply as at first sign of infestation
	Dipterex/Kombat	3 - 4kgs/ha	Apply at the funnel of the plant within the first 3-5 weeks
	Acephate/Orthene	650grms/ha	Apply as at first sign of infestation
	Lannate/Methomyl/Methomex	300grms/ha	Apply as at first sign of infestation
Hoppers /	Dimethoate 40 EC	500-750mls/ha	Apply as a high volume spray. Repeat every 7-10 days.
Streak Virus	Gaucho 600FS	580mls/100kgs of seed	Apply as seed dresser at planting
Grey leaf spot	Propiconazole 25EC	750mls/ha	Spray when disease is seen on 3rd leaf below the cob.
	Tebuconazole	1lt/ha	Apply when disease first appears on basal 4 - 5 leaves
	Benomy/Benlate	500-750grms/ha	Leaves above the cob should be kept disease free.
Termites, white grubs	Chlopyrifos	1lt/ha	Band apply at planting or spray 8 - 10 weeks after planting
	Imidacloprid	200 mls	Apply 8 - 10 weeks after planting
Stored grain Insects	Actellic gold dust	25g/50kg bag (shelled grain)	Mix well into grain

Consult **Agricura Agronomy team for technical information** on herbicide combinations (tank mixtures) and insecticide combinations.

Approximately 12.5 x 16 litre knapsacks will cover 1 hectare and apply 200 litres of water

ALWAYS READ LABELS BEFORE USING THE PRODUCTS

Approximately 14 x 15 litre knapsacks will cover 1 hectare and apply 200 litres of water

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