

MAIZE PRODUCTION REQUIREMENTS FOR 1 HECTARE

Seed: 25 kilograms of seed, though this can vary based on factors such as variety, planting time, and agricultural region.

Plant Population: Ranges from 45,000 to 55,000 plants per hectare, influenced by factors like variety, planting time, agricultural region, and intended use

FERTILIZER REQUIREMENTS		PRODUCT	RATE/HA	NITROGEN	PHOSPHATE	POTASH	SULPHUR	COMMENTS	RATE/HA
Base Dressing	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	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, Broadleaf weeds, Sedges,	S-Metolachlor/Dual Magnum	1.3 - 1.9 l/ha	Pre-emergent against grasses and some broad-leaved weeds
	Atranex/Atrazine	3.6-5.5 l/ha	Pre-emergent or early post against broad leaved weeds
	Relay/Harness/Acetoachlor	1l/ha	Pre-emergent against grasses and some broad leaves
	Basagran/Bentazone	3.0- 5.0 l/ha	Post-emergent against broad leaves and nut sedge post
	Halosulfuron	50 g/ha	emergent. Grasses, B/L weeds & Yellow nutsedge. Post-
	Stellar Star	0.7-1.0 l/ha	emergent. Annual grasses & some broad leaf weeds.
	MCPA	3 - 5 l/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 - 4l/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 - 4l/ha	Pre-emergent against Grasses and B/L weeds	
Paraquat	1 - 2l/ha	Post emergent directed from tasselling	
Conservation Tillage	Roundup/Glyphosate	2 - 6 l/ha	Apply to weeds before or just after planting

PTO

Stalk borers	Lambda cyhalothrin	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 / Streak Virus	Dimethoate 40 EC	500-750mls/ha	Apply as a high-volume spray. Repeat every 7-10 days.
	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	1l/ha	Apply when disease first appears on basal 4 - 5 leaves
	Benomyl/Benlate	500-750grms/ha	Leaves above the cob should be kept disease free.
Termites, white grubs	Chlopyrifos	1l/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

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

Website: www.reliantag.co.zw, Email: info@reliantag.co.zw

Prepared by Macdonald Makombe Call/App 0779405797

ALWAYS READ PRODUCT LABELS BEFORE USE