

WHEAT PRODUCTION REQUIREMENTS FOR 1 HECTARE

Seed: 100-120 kg per hectare, depending on the planting method.

Planting Time: Early May to early June, depending on the agroecology.

Yield: 4-8 tonnes per hectare, depending on variety, fertilization, and pest and disease management (Good Agronomic Practices).

FERTILIZER REQUIREMENTS		PRODUCT	RATE/HA	NITROGEN	PHOSPHATE	POTASH	SULPHUR	COMMENTS
Basal dressing: Compound D	7:14:7	450 kgs	32	63	32	40	All applied at planting. Applied at planting Apply half at 4 WAE & the remainder at 7-8 WAE	
Potash	MOP (60% K2O)	100 kgs			60			
Top Dressing	Ammonium Nitrate	400 kgs	138					
OR		Total	170	63	92	40		
Double D	14:28:14	250 kgs	35	70	35	5	All applied at planting. Applied at planting Apply half at 4 WAE & the remainder at 7-8 WAE	
Potash	MOP (60% K2O)	100 kgs			60			
Top Dressing	Ammonium Nitrate	400 kgs	138					
		Total	173	70	95	5		
HERBICIDES, INSECTICIDES, FUNGICIDES								
Problem	Product	Application rate	Application details					
Broadleaf weeds	Bentazone/Basagran 48EC MCPA Granstar 75DF Dicamba/Banvel	3 - 5 l/ha 3.0 l per ha 15 grams/hectare + wetter 250 - 300mls per ha	Applied at 3-4 leaf stage of crop. Suppresses sedges Applied at 3 - 5 leaf stage of crop Apply at 3 - 5 leaf stage of crop Weeds should be no more than 4 leaves					
Grasses	Puma Super 120EC	180 - 300mls per ha	Annual and perennial grasses, volunteer maize. Dose depends on weed height					
Aphids	Dimethoate 40 EC Thunder Chlopyrifos 48EC	560mls per hectare 300mls per hectare 750mls per ha	Repeat as necessary, do not apply after piping stage F.C.S in 300 l of water, apply when infestation is seen from mid tiller and or booting stage Spray when aphid population is increasing					
Stem rust	Propiconazole/Tilt	500mls per ha	Apply at onset of infection and repeat 3-4 weeks later if disease pressure continues					
Loose smut and Smuts	Special Fungicide Triadimenol/Baytan	150grms/100 kgs of seed 150grms/100 kgs of seed	Seed dressing Seed dressing					
Powdery Mildew	Azoxystrobin Triadimenol	500 - 600mls per ha 400mls per hectare	F.C.S in 150 - 300 litres of water. Repeat as necessary Apply when first signs of disease are visible, repeat 3-4 weeks later if pressure continues					
Termites	Carbaryl 85WP	625grams/hectare	Full Cover Spray, Repeat as necessary					
White flies	Acetamiprid	30grams/hectare	F.C.S Repeat as necessary					
Fall armyworm A/armyworm Bollworms	Avaunt/Steward Cartap hydrochloride Belt Lannate/Methomyl Acephate Carbaryl 85WP	250mls/hectare 800grms/hectare 38mls/hectare 330grams/hectare 650grams 1kgs/hectare	Apply at first signs of infection, as a F.C.S, repeat as necessary Apply at first signs of infection, as a F.C.S, repeat as necessary Apply at first signs of infection, as a F.C.S, repeat as necessary Apply at first signs of infection, as a F.C.S, repeat as necessary Apply at first signs of infection, as a F.C.S, repeat as necessary F.C.S Repeat as necessary					
Copper deficiency	Copper oxychloride	1kgs/hectare	F.C.S on light sands apply 7 - 8WAE through irrigation					
LGB, beetles, weevils	Actellic Gold Dust	25grms/50 kgs of grain	Mix 25grams/50kgs of grain or 500grms/ton of grain					

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

ALWAYS READ PRODUCT LABELS BEFORE USE

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

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