

nutrimaster

Grow like a Pro

Maize



Optichem
OPTIMISE YOUR GROWTH

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Fertiliser Requirement

Fertiliser Type	Product	Remarks	Rate (kg/ha)
Soil Corrective Measure	Prilled Micronised Calcitic Lime	Applied pre or post planting via spinning disc	As per soil analysis
Soil Corrective Measure	Prilled Micronised Gypsum	Applied pre or post planting via spinning disc	As per soil analysis
Basal fertiliser	Urea 46% N	Applied at planting for Stover management if following a winter cereal crop via **FERTIGATOR** or spinning disc	100kg
Basal fertiliser	Nutrimaster Cereal blend 6:28:20 with Si	Applied at planting with planter.	425kg
Basal fertiliser	or Nutrimaster Cereal blend 6:23:23	Applied at planting with planter.	520kg
Top dressing	Urea 46% N	Applied:100kg/ha @ 30cm in height, 100kg/ha @ 1m in height & 200kg/ha 7 days before tasseling via **FERTIGATOR**	400kg
Top dressing	Ammonium Sulphate (AmSo4)	Apply with MOP Tech at 1st silk emmergence with **FERTIGATOR**.	100kg
Top dressing	Muriate of Potash (MOP)	Apply with AmSo4 Soluble at 1st silk emmergence.	50kg
Foliar Fertiliser	Nutristarter	Apply as a full cover spray via chemigator at 90% crop emergence.	4lt
Foliar Fertiliser	Nutrigrow	Apply as a full cover spray via chemigator @ 1lt/ha for 4 weeks from full canopy until tasseling.	4lt
Foliar Fertiliser	Nutribloom	Apply as a full cover spray via chemigator @ 1lt/ha for 4 weeks from tasseling until grain formation is complete.	4lt

Biological and Seed Dressing

Description	Product	Remarks	Rate (kg/ha)
Fusarium, Pythium, Rhizoctonia control	Trichotech WP (Trichoderma asperellum strain H22 CFU 8*10(9) count)	Apply as a seed dressing with the Seed Optimiser	125g/30kg seed
Soil Pests and Maize Streak Virus vector control.	Seed Optimiser (Imidacloprid)	Apply as a seed dressing with the Trichotech WP	175ml/30kg seed
Soil corrective 'tonic'.	Rise P Bacillus amyloliquefaciens strainT 45)	Apply as a seed dressing with the Seed Optimiser.	150g/ 150kg seed
Soil Corrective Tonic	Foliarel OK, Zinc Chelate & Copper Chelate	Apply 2kg/ha of the Foliarel Ok with 300g/ha of Zn & Cu Chelate respectively at planting via boomsprayer or **FERTIGATOR**.	2ml, 0,3ml,0,3ml

Herbicides

Pre-emergent Herbicides			
Annual, perennial grasses and all broadleafed weeds	Glyphosate 41SL	Apply to emerged weeds pre-germination via boomsprayer or **CHEMIGATOR** - **always add Aquatic Buff** @ 50ml/ha & ARD @ 2kg/ha	2lt
Annual, perennial grasses and all broadleafed weeds	Optichem Glyphosate 70WDG	Apply to emerged weeds pre-germination via boomsprayer or **CHEMIGATOR** - **always add Aquatic Buff** @ 50ml/ha & ARD @ 2kg/ha	1lt
Annual Grasses , Broadleaf weeds and Yellow nutsedge (supression)	Optichem S-Metolachlor 960EC and	Apply to clean seedbed **PRIOR** to target weed and crop emergence via boomsprayer or **FERTIGATOR**.	2lt
Broadleaf weeds and most annual grasses **EXCEPT** Triazine tolerant ones.	Optichem Atrazine 500SC	Add to Opti Metolachlor 960 EC or Frontier Optima.	2lt
Annual Grasses , Broadleaf weeds, Yellow nutsedge supression with superior late broadleaf weed control.	Frontier Optima 720 EC	Apply to clean seedbed **PRIOR** to target weed species and crop emergence via boomsprayer or **FERTIGATOR**.	1.2lt
Post Emergence Herbicides			
Broadleaf weeds and most annual grasses	Optichem Atrazine 500SC	Apply over the top of the maize via boomsprayer or **CHEMIGATOR BEFORE** the 3-5 leaf stage of the target species. **Add Aquatic Buff** at 50ml/ha.	2lt
Japanese sunflower (Tithonia diversifolia), Euphorbia spp and most broadleafed weeds	Bromoxynil 225EC	Add to Opti Atrazine 500 EC before the 3-5 leaf stage of the target species.	1lt
Post-emergent **SUPRESSION** of both Cynodon spp.(Couch and Star grass) **ONLY!**	Weedwipe 210 SL (Topramazone/Dicamba)	Apply as an early post emergence via boomsprayer or **CHEMIGATOR** when the Grass is at the 3-4 leaf stage. Do not apply over the top if maize is beyond 80cm tall. **Always add Aquatic Buff** @ 50ml/ha & ARD @ 2kg/ha and **NO NOT** tankmix with **Bromoxynil**!	1lt
Purple and Yellow nutsedge - (Cyperus esculentus and Cyperus rotundus).	Optichem Halosulforon 75WDG	Apply as an early post emergence via boomsprayer or **CHEMIGATOR** when the Nutsedge is at the 3-4 leaf sta. **Always add Aquatic Buff** @ 50ml/ha & ARD @ 2kg/ha **Add Aquatic Buff** at 50ml/ha.	50ml
Post emergent control of Rottboellia cochinchinensis (Shamva grass), Volunteer Winter Cereals & Volunteer Sorghum.	Optichem Nicosulfuron 75WDG	Apply at 3-5 leaf stage of the target species via boomsprayer or **CHEMIGATOR** but **DO NOT** use in combination with an organophosphate i.e. Chlorpyrifos. **Always add Aquatic Buff** @ 50ml/ha & ARD @ 2kg/ha.	50ml
Fungicides			
Northern Leaf blight (Exserohilum turcicum)	Opti-stroby 500 SC (Azoxystrobin/Difenoconazole)	Apply via **CHEMIGATOR** or drone at 1st sight of the disease. **Always add Aquatic Buff** @ 50ml/ha.	400ml
Insecticides			
Cutworm (Agrotis spp)	Optichem Lambda Cyhalothrin 5EC	Apply via boomsrayer or **CHEMIGATOR** @ crop emmergence. **Always add Aquatic Buff** @ 50ml/ha.	20ml
Pink Stalkborer (Sesamia inferens)	Chlorpyrifos 20 EC	Apply via boomsrayer or **CHEMIGATOR** within 7 days of crop emmergence. **Always add Aquatic Buff** @ 50ml/ha.	2lt
FAW - Fall Army Worm (Spodoptera frugiperda)	Optimator 50 WP (Emmamectin Benzoate/Acetamiprid)	Apply via boomsrayer or **CHEMIGATOR** @ 1st sight of 'windows'. **Always add Aquatic Buff** @ 50ml/ha.	250ml
	Emamectin Duo 50 WP (Emmamectin Benzoate/Lufenuron)	Apply via boomsrayer or **CHEMIGATOR** @ 1st sight of 'windows'. Alternate with Optimator. **Always add Aquatic Buff** @ 50ml/ha.	150ml

PLEASE CAREFULLY READ CHEMICAL LABEL BEFORE APPLICATION