

**PRODUCTION GUIDELINES FOR 1 HECTARE OF TOBACCO LANDS 2017**

Yield target: 3000kgs, Higher yield can be achieved with taking much great attention to detail!

Tobacco Productivity requires the use of Boron containing fertilizers. NB. Soil testing is very critical to get specific fertiliser recommendations

Fertilizer requirements		Product	Rate/ha	Nitrogen	Phosphate	Potash	Sulphur	Calcium
Basal dressing:	Agricura Compound C	5:15:12	700kgs	35kgs	105kgs	84kgs	77kgs	
Top dressing:	Split apply Ammonium nitrate	AN 34.5% N	150kgs	52kgs				
Top dressing:	Calcium nitrate	Calcium nitrate	75kgs	12kgs				
Soil conditioning + Calcium suppliment:	Gypsum	Gypsum	450kgs				72	90kgs
	OR							
Basal dressing:	Agricura Tobacco Blend/High C	6:28:23	500kgs	35kgs	140kgs	115kgs	30kgs	
Top dressing:	Split apply Ammonium nitrate	AN 34.5% N	150kgs	52kgs				
Top dressing:	Calcium nitrate	Calcium nitrate	75kgs	12kgs				
Soil conditioning + Calcium suppliment:	Gypsum	Gypsum	450kgs				72	90kgs

Herbicides, Fungicides, Insecticides				
Problem	Product	Application rate	Application / comments	Product
Grasses & Some	S-Metolachlor	1 -2 lt per ha	Apply as a pre-emergent herbicide	1 - 2lt
	Kalif/Command	1.5 - 1.75lt/ha	Apply as a pre-emergent herbicide	1.5 - 1.75lt
Broad leaved Weeds	Kalif/Command	1lt/ha	Tank mix with S-Metalachlor & Apply Pre-emergent	1lt
	S-Metolachlor	1.2lt/ha	Tank mix with Kalif & Apply Pre-emergent	1.2
Grasses only	Agil	0.5 - 2.0 lt per ha	Post emergent for annual & perrenial grasses	0.5 - 2lt
	Gallant Super	0.6 - 2.4lt/ha	Post emergent for annual & perrenial grasses	0.6 - 2.4lt
Nematodes /Eelworms	Oxamyl/Nemat	3lt/ha	Apply cup 30 of mixture/plant @ planting or within 5WAP	3lt
	Telone II	60lts/ha	Inject or apply as a soil drench at planting	60lts
	Fernamiphos/Nemacure	4lt/ha	Apply cup 30 of mixture/plant @ planting or within 5WAP	4lt
	Velum Prime	0.4lt/ha	Apply cup 30 of the mixture/planting station at planting	0.4lt
White grubs	Imidacloprid 200SL	0.8lt/ha	Apply cup 30 of mixture/plant @ planting	0.8lt
False Wireworms	Imidacloprid 350SC	0.6lt/ha	Apply cup 30 of mixture/plant @ planting	0.6lt
Termites, Ants	Confidor	0.06kgs/ha	Apply cup 30 of mixture/plant @ planting	0.06kgs
	Chlopyrifos 48EC	0.8lt/ha	Apply cup 30 of mixture/plant @ planting	0.8lt
	Fipronil	0.2lt/ha	Apply cup 30 of mixture/plant @ planting	0.2lt
Cutworms	Decis forte	60 ml/100 lt water	Drench immediately at the base of plant with cup 30/plant	0.12lt
	Lambda cyhalothrin	100mls/100 litres of water	Drench immediately at the base of plant with cup 30/plant	0.2lt
	Chlopyrifos 48EC	400mls/100 litres of water	Apply cup 30/plant immediately after planting	0.8lt
Aphids & Some sap sucking insects	Thunder	220 ml/100 lt water	Apply as necessary at 7-14 day intervals upto topping time	0.33lt/ha
	Imidacloprid 200/350	As above	Apply in bulk planting water as highlighted above	0.6 - 0.8lt
	Dimethoate 40EC	0.5 - 0.8lt/ha	Dilute in 200 litres of water, repeat as necessary	0.5 - 0.8lt
	Acetamiprid/Acetamark	15 grams/100 litres of water	Apply in 200 litres of water @ 10 -14 day intervals	0.003kgs/ha
	Thiamethoxam/Actara	280grams/100 litres of water	Mix in 200 litres of bulk planting water apply up 30/plant	0.56kgs



Problem	Product	Application rate	Application / comments	Product for 1 ha
Budworms	Avaunt/Steward	0.25lt/ha	Apply in 200 litres of water as necessary upto toping time	0.25lt
Leaf eaters	Lannate/Methomyl	0.25lt/ha	Apply in 250 ltrs of water & repeat as necessary	0.25lt
Grasshoppers	Thunder	220mls/100 litres water	Apply in 200 litres of water and repeat as necessary	0.33lts
Leaf miners	Belt	38mls/ha	Apply in 200 litres of water and repeat as necessary	0.038lts
Dusty surface	Chlopyrifos 48ec/Pyrimex 48ec	Apply 400mls per 100 litres of	Apply Cup 30 of the mixture at the base of plant	0.8lt
Beetle	Dursban 48EC	Water		
Semi loopers	Thunder	220mls/100 litres water	Apply in 200 litres of water and repeat as necessary	0.33lts
Stinkbugs	Thunder	220mls/100 litres water	Apply in 200 litres of water and repeat as necessary	0.33lts
Laceworm	Lannate/Methomyl	133grams/100 litres of water	Apply in 200 litres of water repeat as necessary	0.266kgs
Angular Leaf Spot	Bion 50 WG	30grams/100 litres of water	Apply at 6 - 7 & @ 7 - 9 weeks after planting	0.06kgs
Alternaria Solani	Azoxystrobin	250mls/100 litres of water	Apply as a FCS 8 - 10 weeks after planting	0.5ltrs
Frog eye & Wildfir	Tebuconazole	300mls/100litres of water	Apply as a FCS 8 - 10 WAP, repeat as necessary	0.5 - 0.75lts
Disease	Copper Oxychloride	1.5kgs/100 litres of water	Apply as a FCS from 4WAP repeat @ 10-14 day interval	2kgs
Rhizoctonia Leaf	Bravo/Chlorothalonil	1 litre/100 litres of water	Apply as a FCS from 4WAP repeat @ 10-14 day interval	2lts
Spot	Dithane M45/Mancozeb	1.5kg/100 litres of water	Apply as a FCS from 4WAP, repeat @ weekly intervals	2 - 3kgs
Sucker Kill/Sucker	Deka/Decanol	Apply 3 lts/100 lts of water	Apply 2 - 3 times using different cup sizes	7lts
	Agritop/Accotab	Apply 1.5 lts/100lts of water	Apply 2 applications using different cup sizes	3lts
Ripener	Ethrel/Ethefon	180 mls/16lts of water	Apply as a high volume spray in tobacco lands	3lts/more
		100mls/16lts of water	Apply as ultra low volume spray in lands	1.5lts/more
		200mls/100 lts of water	After reaping spray the reaped leaves on the clips	
Barn rot	Copper Oxychloride	1kg/100lts of water	Wash surfaces of barns and all related equipment	

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

**ALWAYS READ LABELS BEFORE USING THE PRODUCTS**

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