



PRODUCTION GUIDELINES FOR 1 HECTARE OF BUTTERNUTS

Seed requirements of 2 - 4kgs per hectare to achieve a plant population of upto 10 000 plants per hectare

Butternuts can be grown on a wide range of soils, fertile soils with adequate drainage are preferable, ideal soils are sandy loams or silty loams which warm up rapidly

Optimum temperature ranges for production are 18 - 21 at night and below 29 degrees celsius during the day therefore restricting production to summer except in the (S.E.L)

It is generally recommended to apply about 10 - 15 tons per hectare of compost or manure should be incorporated about a month before planting

Butternuts can be grown from March to August and Late July to Mid November in higher altitudes but for early production sowing should be done from early July - August

Plant spacing within row is 0.5 -0.7m and spacing between rows is 1.2 -1.5m, days to harvest is 60 -120 days depending on variety, Harvest duration is normally 30 days

Heads are cut and harvested individually

Fertilizer requirements		Product	Rate/ha	
Basal dressing:	Agricura Compound C	5:15:12	500kgs	Generally recommended to apply all at or before transplanting your crop
Top dressing:	Split apply Ammonium nitrate	AN 34.5% N	150kgs	Split apply, top dress at first fruit set
Herbicides, Fungicides, Insecticides				
Problem	Product	Application rate	Application / comments	Product for 1 ha
Cutworms	Fenvelerate 20EC	200mls per hectare	Apply as a band spray soon after germination/transplanting	0.2lt
	Lambda cyhalothrin 5EC	200mls per hectare	Apply as a band spray soon after germination/transplanting	0.2lt
Aphids	Malathion 25WP	500grms per hectare	Apply as a F.C.S and repeat if necessary to do so	0.5kgs
	Diazinon	380mls per hectare	F.C.S Dilute 190mls/100 litres of water repeat as necessary	0.38lts
	Dimethoate 40EC	200mls per hectare	Dilute 100 - 150mls/100 litres of water apply as a F.C.S	0.2 -0.3lts
	Malathion 50EC	300mls per hectare	Apply as a F.C.S and repeat if necessary to do so	0.3lt
Anthracnose Downey Mildew	Dithane M45	1.5kgs per hectare	Apply as a F.C.S and repeat after every 7 - 14 days as necessary	1.5kgs
	Metalaxyl + Mancozeb	1kgs per hectare	Apply as a F.C.S and repeat after every 10 days as necessary	1kgs
	Copper Oxychloride 85WP	1kgs per hectare	Apply as a F.C.S and repeat at 10 - 14 day intervals	1kgs
	Chloroflo/Chlorothalonil/Bravo	2 litres per hectare	Apply as a F.C.S and repeat after every 7 - 14 days as necessary	2lt
Powdery Mildew	Agricura Special Fungicide	350grams per hectare	Apply as a F.C.S and repeat after every 7 - 14 days as necessary	0.35kg
Fruit Fly/Pumpkin Fly	GF 120 Fruit Fly Bait	500mls/14.5lt of water	Apply as coarse droplets at weekly intervals. Consult Agronomist	1 -1.2lt
	Kontakill/Fenitrothion	350mls per hectare	Apply as a F.C.S repeat as necessary. Consult Agronomist	0.35lt
	Malathion 25WP	800grams/Ha, apply as a bait	Mix with 4kgs of sugar in 100 lts of water apply as a coarse spray	0.8kgs
	Malathion 50EC	400mls per hectare	Apply as a F.C.S repeat as necessary. Consult Agronomist	0.4lt

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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