

a g r i c u r a

Growing Farming Generations

PRODUCTION GUIDELINES FOR 1 HECTARE OF CARROTS

CARROTS can be produced all year round with irrigation. As a general guideline the best time for optimum production is February - September as a directly sown crop CARROTS require deep fertile sandy loam soils. If pH is below 5.5 apply lime, optimum Ph range is 5.5 - 6.5. Optimum growing temperature is 15 - 20 degrees celsius Plant spacing between rows is 0.3 - 0.5m & spacing within rows is 0.05 - 0.08m, up to 4 - 5kgs of seed is required per hectare, recommended to mix seed with pure sand As a general plant population guideline up to 150 carrot plants are required per square metre therefore thin out to the required plant population after germination Recommended to irrigate to field capacity before sowing seed, irrigate oftenly during early seedling stage up to 50mm every week/fortnightly DO NOT ALLOW moisture to drop below 50% Water Holding Capacity except before lifting. Remember Soil Analysis is very important if optimum productivity is needed. Expected yields of up to 25 tons per hectare, possibly higher yields are obtainable with heavier fertilization and Good Agronomic Practices (GAPS)

Fertilizer requirements		Product	Rate/ha	Application Details	
Compound J	(14:6:20)	(14:6:20)	600kgs	Generally recommended to apply all at or before planting your crop	
Ammonium Nitrate	(A/N 34.5% - N)	(A/N 34.5% - N)	150kgs	Split apply, top dress twice from 4WAP	
Pottasium Nitrate	(13:0:46)	(13:0:46)	100kgs	Apply along rows from three weeks after emergence	
Calcium Sulphate	Gypsum	Gypsum	250kgs	Basal application before planting	
Herbicides, Fungicides, Insecticides					
Problem	Product	Application rate		Application / comments	Product for 1 ha
Grasses only	Gallant super	48 - 190mls/Knapsack		Post emergent to annual and perennial grasses.	0.6 - 2.4lt
	Agil	50 - 120mls/Knapsack		Post emergent to annual and perennial grasses.	0.5 - 2.0lt
Aphids	Dimethoate	12mls/Knapsack		Apply as a F.C.S & repeat as necessary	0.15lt
	Malathion 50EC	20mls/Knapsack		Apply as a F.C.S & repeat as necessary	0.24lt
	Malathion 25WP	32grms/Knapsack		Apply as a F.C.S & repeat as necessary	0.4kgs
	Diazinon	20mls/Knapsack		Apply as a F.C.S & repeat as necessary	0.24lt
Cutworms	See remedies for other crops	Lambda, Carbaryl, Decis e.t.c			
Alternaria, Leaf blight	Mancozeb	32grms/Knapsack		F.C.S Repeat at 7 - 14 day intervals as necessary	0.4kgs
Anthracnose, Downy	Chlorothalonil/Bravo	120mls/Knapsack		F.C.S Repeat at 7 - 14 day intervals as necessary	2lt
Mildew	Mancozeb	32grms/Knapsack		F.C.S Repeat at 7 - 14 day intervals as necessary	0.4kgs
Leaf Hoppers	Malathion 25WP	32grms/Knapsack		Apply as a F.C.S & repeat as necessary	0.4kgs
	Vegidust			Dust plants thoroughly. Repeat at 7 - 10 day intervals	
Red Spider Mites	Mitac/Amitraz 20EC	21mls/Knapsack		F.C.S in 300 - 600lts of water Repeat as necessary if mites persist	0.4lt
	Diazinon	20mls/Knapsack		Apply as a F.C.S & repeat as necessary at 10 day intervals	0.24lt
	Dicofol 20EC	23mls/Knapsack		F.C.S in 300 - 600lts of water Repeat as necessary if mites persist	0.44lt
TO CONTROL THRIPS USE MALATHION 25WP AS ABOVE OR DUST FREELY WITH DUSTING SULPHUR					
Soil borne fungi	Thiram 80WP	100g/50kgs of seed		Seed dressing treatment	

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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