

ONION

INTRODUCTION:

- India is the second largest onion producer in the world.
- Indian onions are famous for their pungency and are available throughout the year.
- Indian onion has two crop cycles, the first harvesting starts from November to January and the second harvesting is from January to May.
- Onion is a hardy cool-season biennial but is usually grown as an annual crop.
- Onion has narrow, hollow leaves and a base that enlarges to form a bulb.
- The bulb may be white, yellow or red and requires 80 to 150 days to mature
- Onion crop can be successfully grown on heavy soil with the use of organic manure before sowing and the preparation of the field should be very good for onion cultivation.
- The optimum pH range is 6.0 - 7.5, regardless of soil type, but onions can also be grown in lightly alkaline soils.

1] Sowing time:-

Kharif- May-June

Rabi- October-November

Summer- February- March

2] Seed rate - 3.0 – 4.0 kg per acre

3] Spacing - 15cm × 10cm

4] Irrigation - as per requirement

5] Fertilizer application (per acre)

FERTILIZERS	Per acre	
	BASAL	30 DAYS
FYM	15 t/ acre	MYCORRHIZA @100 gm
Urea [46-0-0]	30 Kg	40 Kg
DAP	50 Kg	20 Kg
MOP	40 Kg	20 Kg

Company Name

Katra Fertilizers & Chemical Pvt Ltd
(An Ezzy Group Enterprises)

Corporate Office

1304, Marathon Icon, NextGen Campus,
Opp. Peninsula Corporate Park,
Lower Parel (West), Mumbai - 400013 India

Factory Address

Survey No. 90/2/1, Gram Mehraj,
Khandwa Road, Khargone,
Madhya Pradesh - 451001 India

6] Spray schedule:

DAYS	GROWTH STAGES	FERTILIZERS	POTENTIAL DISEASE	POTENTIAL PEST
10 - 15	From sowing to Plant Establishment	Katra Nano NPK 19-19-19 @ 200 gm per acre + Katra nano micronutrient combi @ 50 g/acre	Dumping off, Fusarium wilt, Root rot	White fly
25 - 30	Vegetative growth stage	Katra Nano Mono Ammonium Phosphate (12-61-0) @ 200 gm/acre + Humus 100 @ 2 gm/Lit + Kargil (Imidacloprid 30.5% SC) 2 ml/l Water+ Fungus-G 1.5 gm/Lit Water + Itarich @ 100 gm/acre + Katra Nano Capsule (Plant growth Promoter) @ 1 Caps/Acre	Root rot downy mildew	Whitefly, Thrips, Cut Worm
40 - 45	Flowering stage	Katra Nano Potassium Phosphate 0-52-34 @ 200 gm per acre Atal (Boron ethanolamine B-105) @ 100ml/acre + Bell (Fipronil 5%) sc 2-5 ml/l water Banlarva (Ammectin benzoate 5% SG) 4 g/10 ltr of water + Katra Nano Capsule (flower booster) @ 1 Caps/Acre	Powdery Mildew, Downy Mildew	Whitefly, Worm Thrips
60 -65	Fruiting stage	Katra Nano Potassium Phosphate 0-52-34@200 gm per acre + Katra Nano Capsule (Plant growth Promoter) @ 1 Caps/Acre+ Neembin 1000 EC 1.7 ml/Lit of water	Downy Mildew, Leaf Blight, Purple Blotch	Thrips, Onion Fly Cut Worm
80 - 85	Maturity stage	Katra Nano Potassium Sulphate 00-00-50@200g per acre Flamingo (Emamectin Benzoate 3% Thiamethoxam 12%WDG) 0.4 - 0.5g/Lit of water + Neembean 1000 EC 1.7 ml/Lit of water + Fungicin (Allicin 1.9% sl) @100 ml/acre	Purple Blotch, Downy, Black Mold, Downy Mildew, Leaf Blight	Whitefly, Cutworm, Worm, Spider

Note- In the information given in the chart ,the spray schedule has given keeping in mind the possible disease and Pest outbreak .To know more contact Kisan4U Dr.

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White fly



Thrips



Onion fly



Cut worm



Purple Blotch



Nursery affected with damping off

Damping off



Downey mildew



Pink root rot due to Phoma

Root rot



Black mould

Black mould



Stemphylium leaf blight

Leaf blight

9] Yield – 10-12 tonne /acre

KATRA[®]
FERTILIZERS

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