

COTTON

INTRODUCTION:

- Cotton is one of the most important fiber and cash crop of India and plays a major role in the industrial and agricultural economy of the country.
- It is also called "white gold" due to its importance in agriculture as well as industrial sector.
- Cotton is mainly grown for its fibers, which are used in the manufacture of clothing for mankind.
- The oil content in cottonseed varies between 15-25% depending on the variety.
- Cotton seed cake after oil extraction is a good organic manure and contains about 6% N, 3% P₂O₅ and 2% K₂O. Cottonseed and cottonseed meal are good concentrated feed for cattle.

1] Sowing time -

Kharif - Last week of June to first week of July

Where irrigation facility is available from last week of May to first week of June.

2] Seed rate - BT Cotton 800 to 900 grams per acre

3] Spacing - 90 cm × 60 cm or 120 cm × 60 cm

4] Irrigation - as per requirement at an interval of 7 to 10 days till the arrival of monsoon

5] Application of fertilizers (per acre):

Fertilizers	Per acre	
	Basal	30 DAYS
FYM	12 t/ acre	Mycorrhiza powder 100 g
Urea [46-0-0]	50 Kg	50 Kg
DAP OR SSP	50 Kg	25 Kg
MOP	40 Kg	25 Kg
MgSO ₄		10 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	TREATMENT	POTENTIAL DISEASE	POTENTIAL PEST
20 – 25	From sowing to plant Establishment	Katra Nano NPK 19-19-19 @ 200 gm per acre + fungus G @200g/acre	Fusarium wilt, Root rot	Whitefly, aphid, thrips
40 - 45	Vegetative growth stage	Katra Nano Mono Ammonium Phosphate (12-61-0) @200 gm per acre + Bell (Fipronil 5% SC) 2-5 ml/Lit of water + Katra Nano Capsule (Plant growth Promoter) @ 1 Caps/Acre + kargil (imidacloprid 30.5% sc)	Root rot, leaf curl, downy mildew	Whitefly, Green Mosquito Aphid, Jassid, Bollworm
55 - 60	Flowering stage	Katra Nano NPK Potassium Nitrate 00-52-34@200 gm per acre + Banlarva (Emamectin Benzoate 5% SG) 4 gm/10 Ltr of water + Katra Nano Capsule (Plant growth Promoter) @ 1 Caps/Acre + Lysorus + miticide	Powdery Mildew, Downy Mildew, Leaf Blight	Whitefly, Mealy Bug, Greentail, Bollworm
80 -85	Boll development stage	Katra Nano NPK Potassium Nitrate 13-00-45 @ 200 gm per acre + Virumin (Curcumin 1.9% SL) @ 100 ml/acre + Fugicin (Allicin 1.9 % SL) @ 100 ml/acre	tobacco streak virus, Cercospora, Bacterial Blight	Stem fly, Mealy bug, Pink bollworm, Red spider mite
100 - 120	Maturity stage	Katra Nano NPK Potassium Nitrate 00-00-50 @200 gm per acre + Flamingo (Emamectin Benzoate 3% Thiamethoxam 12% WDG) 0.4 - 1 gm/Lit of water Prosper @ 2-5 ml/l of water Neembin 1000 EC 1.7 ml/Litre water	Downy mildew, alternaria leaf blight	Termites, Pink and spotted Bollworms, Red spider mite

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

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Whitefly



Aphid



Termite



spotted bollworm



Red spider mite



Pink bollworm



Mealy Bug



American bollworm



Fusarium wilt



Tobacco streak virus



Cercospora



alternaria leaf blight



9] Yield - 8 - 12 qtl/acre

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