

PADDY

INTRODUCTION:

- Rice is a nutritionally rich food that provides instant energy as its most important component is carbohydrate (starch).
- Rice flour is rich in starch and is used to make various food items.
- The protein content in bran rice is between 7 percent and 12 percent.
- It is also used by brewers to make alcoholic malt.
- It is best suited for areas with high humidity, prolonged sunlight and an assured supply of water.
- The average temperature required for the entire life span of the crop is between 21 to 37°C.

1] Sowing time -

Kharif - Monsoon onset (June-July)

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

Summer/Spring - November-December

2] Seed rate - 20 kg per acre

3] Spacing - 20 cm × 10 cm OR 25 cm × 10 cm

4] Irrigation - as per requirement at an interval of 7 to 10 days till the onset 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]	30 Kg	60 Kg
DAP	50 Kg	30 Kg
SSP	100 Kg	50 Kg
MOP	40 Kg	25 Kg
ZnSO ₄	10 Kg	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 Nursery to Trans planting	Katra Nano NPK 19-19-19 @ 200 g per acre Katra nano micronutrient combi @ 50 g/acre +	Wilt, Root rot	whitefly, aphid, thrips
40 - 60	Vegetative growth (Tillering) stage	Katra Nano Mono Ammonium Phosphate (12-61-0) @200 gm per acre + Flamingo (Emamectin Benzoate 3% Thiamethoxam 12% SG) 0.5 to 1 gm/Lit of water + Kargill (Imidacloprid 30.5% SC) 2-5 ml/liter of water + Katra Nano Capsule (Plant growth Promoter) @ 1 Caps/Acre	Root rot, sheath blight, bacterial blight, brown spot disease, downy mildew,	Whitefly, Mealy Bug, Brown Stem Borer, Green Leaf Hopper, White Back Hopper
60 - 80	Reproduction (flowering) stage	Katra Nano NPK Potassium Nitrate 00-52-34@200 gm per acre + Katra Nano Capsule (flower booster) @ 1 Caps/Acre	Blast, tungro virus, grasshopper bacterial blight, brown spot disease	White fly, Green Leaf Hopper, Green Teal, Cheek Midge, White Back Hopper
80 - 120	Maturity stage	Katra Nano NPK Potassium Nitrate 00-00-50 @200 gm per acre + Prosper @ 2-5 ml/Lit of water + Neembin 1000 EC 1.7 ml/liter of water	Blast, grassy stunt, false smut leaf blight	White Back Hopper, Grass Hopper, Cheek Midge, Brown Stem Borer

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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White fly



Aphid



Grass Hopper



bacterial blight



Tungro virus



Gall midge



White Back Hopper



Brown Stem Borer



Mealy Bug



Green Leaf Hopper



Blast



Brown spot



false smut



sheath blight



Grassy stunt

9] Yield - 20 - 30 quintals/acre

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