

ARHAR

INTRODUCTION:

- Arhar is the second most important pulse crop of the country after gram.
- It is mainly eaten in the form of 'Dal'.
- Arhar seeds are also rich in iron, iodine, essential amino acids like lysine, threonine, cysteine and arginine etc.
- Arhar is a protein rich staple food. It contains about 22 percent protein, which is almost three times more than cereals.
- The ability of tur to produce high economic yields under soil moisture deficit makes it an important crop in rainfed and arid agriculture.
- Green leaves and tops of plants provide excellent fodder and are used as green manure.
- It is an important food of South India where rice is the main food grain. The nutritional deficiency of rice can be fulfilled to some extent by including arhar grains in the diet. It provides protein, B vitamins, calcium and phosphorus.

1] **Sowing time** - Kharif - Monsoon onset (June-July)

2] **Seed rate** - 4 to 6 kg per acre

3] **Spacing** - 60 to 90 cm x 30 cm

4] **Irrigation** - as per requirement

5] **Application of fertilizers (per acre):**

FERTILIZERS	Per acre	
	BASAL	30 DAYS
FYM	10 t/acre	-
MYCORHIZA POWDER	100 gm/acre	100 gm
Urea [46-0-0]	-	40 Kg
NPK (12:32:16)	50 Kg	25 Kg
SSP	100 Kg	50 Kg
MOP	40 Kg	25 Kg
MgSO4		5 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 – 40	From sowing to plant Establishment	Seed treatment with thiram @ 2 to 3 g/kg seed , Katra Nano NPK 19-19-19 @ 200 gm per acre + Katra nano micronutrient combi @ 50 g/acre	Fusarium wilt, Root rot	White fly, aphid, Green mosquito
40 - 80	Vegetative growth stage	Katra Nano Mono Ammonium Phosphate (12-61-0) @200 gm/acre + Katra Nano Capsule (Plant growth Promoter) @ 1 Caps/Acre + Emamectin benzoate 5 % SG @ 100 gm/acre + virumin (Curcumin 1.9% sl) @100 ml/acre	Root rot, rust, termites yellow mosaic	White mosquito, Green Mosquito, Stem Fly, Aphid, Bollworm (Illia)
80 - 120	Flowering stage	Katra Nano mono Potassium Phosphate 00-52 34@200 gm/ acre + Flamingo (Emamectin Benzoate 3% Thiamethoxam 12% WDG) 0.4 - 0.5 g/Ltr of water + Lysorus Miticide @ 80-100 liters of water + Katra Nono Capsule (Flowering booster)@ 1 Caps/Acre + fungus G @200 gm/acre	Tikka disease, Sterility mosaic, Powdery mildew, Phytophthora	White fly, sterility mite, gram pod borer
100 -150	Pod development / maturity stage	Katra Nano NPK Potassium Nitrate 13-00-45 @ 200 gm per acre + Neembin 1000 EC 1.7 ml/l of water + Fugicin (Allicin 1.9 % SL) @ 100 ml/acre + Katra nano 00-00-50 @ 200gm/acre + kethrin (emamectin benzoate 1.9% sl) @ 250ml/acre	Tikka Disease, Rust, Powdery Mildew, Sterility Mosaic, Blight Powdery Mildew,	Pod fly, termite, gram pod borer, gram pod 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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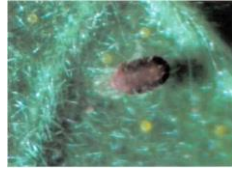
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White fly



Pod fly



Sterility mite



Pod borer



Gram pod borer



Blight



Tikka



Powdery Mildew



Phytophthora[®]



Sterility Mosaic

9] Yield - 10- 12 quintal/acre.

KATRA[®]
FERTILIZERS

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