

## BOTTLE GOURD

### INTRODUCTION:

- In India, it is an important vegetable crop.
- Stem vegetables and leaves are used as vegetables in green state.
- The hard shell of bottle gourd is used for various purposes.
- Fruit pulp is a good source of fiber free carbohydrates.
- It is one of the world's first cultivated plants and is not primarily grown for food but is also used as a container.

### 1] Sowing time -

Kharif - July to August

For summer (Zaid) - January to February

### 2] Seed rate – 1.5- 2 kg per acre

### 3] Spacing - 2.0 to 3.0 m (row to row) x 1 to 1.5 m (plant to plant).

### 4] Irrigation - Regular interval as per requirement

### 5] Application of fertilizers (per acre)

Fertilizers	Per acre	
	Basal	30 DAYS
FYM	10 tonne / acre	Mycorrhiza powder 100 g
Urea [46-0-0]	50 Kg	50 Kg ( 2 split @ 25 kg)
DAP	40 Kg	20 Kg
MOP	30 Kg	20 Kg
ZnSO4	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 SHEDULE :

DAYS	GROWTH STAGES	TREATMENT	POTENTIAL DISEASE	POTENTIAL PEST
20 - 25	From Trans Planting to plant establishment	Katra Nano NPK 19-19-19 @ 200 gm per acre + Diafenthiuron 50% @ 2 gm/litre water + Fungus-G 1.5 gm/Litre liters of water	fusarium wilt	white fly, green mosquito
25 - 45	vegetative growth stage	Katra Nano Mono Ammonium Phosphate (12-61-0) @ 200 g/acre + Flamingo (Emamectin Benzoate 3% Thiamethoxam 12% SG) 0.5 to 1 g/Lit of water + Lysorus Miticide @ 80-100 Lit of water+ + Katra Nano Capsule (Plant growth Promoter) @ 1 Caps/Acre	Leaf curl, downy mildew	Whitefly, Green Mosquito, Red Mosquito, Aphid, Thrips
45 - 60	Flowering stage	Katra Nano Mono Potassium Nitrate 00-52-34 @ 200 gm/Acre + Atal (Boron Micronutrient10%) @100 ml/acre + Fipronil 5%SC+ Banalarva (Emamectin Benzoate 5% SG) 4g/10Ltr of water + Katra Nano Capsule (Plant growth Promoter) @ 1 Caps/Acre	Leaf curl, Powdery mildew, Downy mildew	Whitefly, Aphid, Worm thrips, Red worm, Leaf miner
80 -100	fruiting stage	Katra Nano Mono Potassium Phosphate 0-52-34 @ 200 gm/ acre + kargil (Imidacloprid30.5% SC) 2-5 ml /Lit of water + Bell (Fipronil 5% SC) 2-5ml/Lit of water	Cercospora, Powdery mildew, Anthracnose	whitefly, fruit fly, thrips, borer
100-120	maturity stage	Katra Nano NPK Potassium Nitrate 00-00-50 @200 gm per acre + Prosper@ 2-5 ml/l water + fungicin (Allicin 1.9% sl) @ 100ml/acre	Yellow Vein Mosaic, Downy Mildew, Anthracnose, Fruit Rot, Powdery Mildew	Fruit fly, fruit borer, spider semilooper

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**



**Fruit Fly**



**Red Mite**



**Fruit borer**



**Leaf Minor**



**Anthracnose**



**Powdery mildew**



**Downy Mildew**



**Yellow Vein Mosaic**

9] Yield - 4- 6 tonne per acre

**KATRA**<sup>®</sup>  
FERTILIZERS

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