

एक सफ़र
किसानों से
किसानों तक



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Shetkari Utpadak

JAY MAHAKALI SHEDNET SHETKARI UTPADAK GROUP COMPANY

INDEX



1. Bitter Gourd JMKSU 2346



2. Capsicum Indrayani F1



3. Chilli Sanjivani 4G F1



4. Bottle Gourd Samrat F1



5. Ridge Gourd Nikhil F1



6. Sponge Gourd Mahakal F1



7. Pumpkin JMKSU 4141



8. Cucumber Kalinka F1



9. Bhindi Renuka F1



10. Bhindi Shruti F1



11. Marigold JMKSU 4009



12. Marigold JMKSU 4344



13. Tinda Hero F1



14. Onion Nath F1

BITTER GOURD



JMKSU 2346

Characters

Maturity	: 55 To 60 Days Days
Fruit Colour	: Dark Green
Fruit Length	: 15 – 20 cm
Fruit Diameter	: 3 cm
Fruit Weight	: 80 gm
Fruit Shape	: Spiny, Short Green Type, Very Uniform & Attractive
Seeds Rate	: 2 Kg/Ha
Spacing	: 60x180 cm
Remark	Popular For High Yielding Hybrid, HR TO YVMV



CAPSICUM

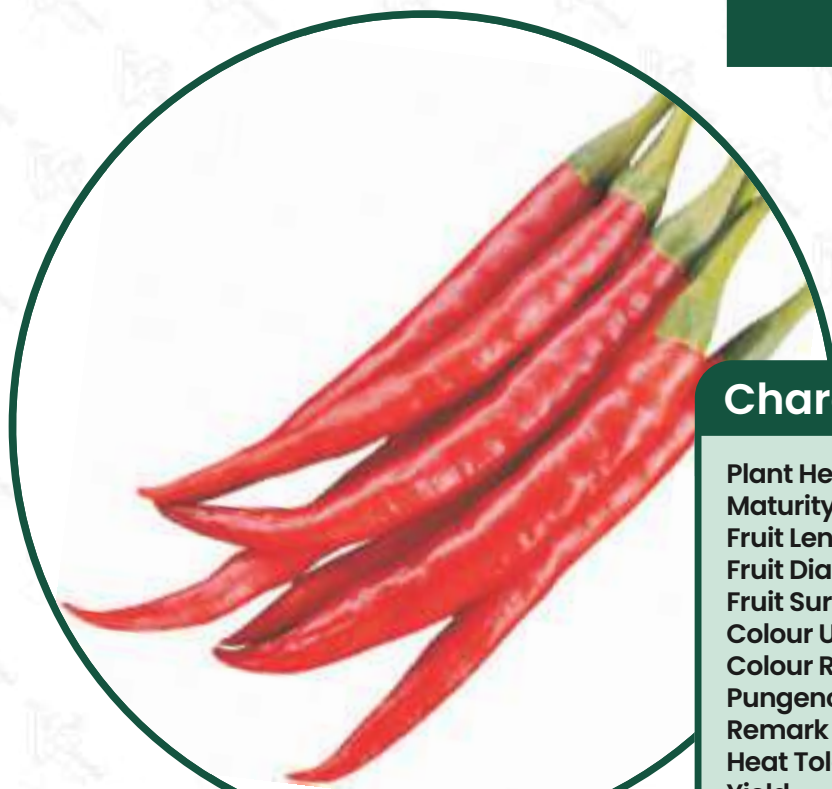


Indrayani F1

Characters

Harvesting	: 60-70 days
Yield	: High yielding capacity
Size	: Medium to big sized uniform fruits
Seed Rate	: 250 - 300 g per acre
Sowing	: Direct in main field
Spacing	: 150x45 cm
Plant Vigour	: Strong plant with short internode
Suitable	: For all India
Average yield	: 12 MT/acre
Remarks	: Suitable for both open field and net house conditions





Sanjivani 4G F1

Characters

Plant Height	: 3.5 feet
Maturity	: 65 days after transplanting
Fruit Length	: 9-11 cm
Fruit Diameter	: 1.1-1.3 cm
Fruit Surface	: Smooth
Colour Unripe	: Green
Colour Ripe	: Dark Red
Pungency	: High pungent
Remark	: HR to viral complex
Heat Tolerance	: Maximum 44 dc
Yield	: New hybrid yield notice 500-600 gm/picking/plant



BOTTLE GOURD



Samrat F1

Characters

First Picking : 55 Days
Fruit Colour : Green
Fruit Shape : Cylindrical with thin neck
Fruit Length : 30-35 cm
Fruit Weight : 750-800 gm
Fruit Colour : Attractive shiny green
Seed Rate : 2 Kg/Ha
Spacing : 60x180 cm
Yield : 75-80 Tons/Ha



RIDGE GOURD



Nikhil F1

Characters

- First Picking** : 50-55 days
- Fruit Colour** : Green
- Fruit Length** : 40-42 cm long
- Fruit Weight** : 200-220 gm
- Seed Rate** : 2 Kg/Ha
- Spacing** : 60x180 cm
- Remarks** : Vigorous high yielding hybrid plant, long fruit with deep ridges



SPONGE GOURD



Characters

Maturity	: 45-50 Days
Fruit Colour	: Dark green
Fruit Length	: 18-22 cm
Fruit Weight	: 150-170 gm
Seed Rate	: 1.5-2 Kg/Ha
Spacing	: 60x180 cm
Avg. Yield	: 40-45 Tons/Ha
Remark	: Very high yield & early fruit set

Mahakal F1



PUMPKIN



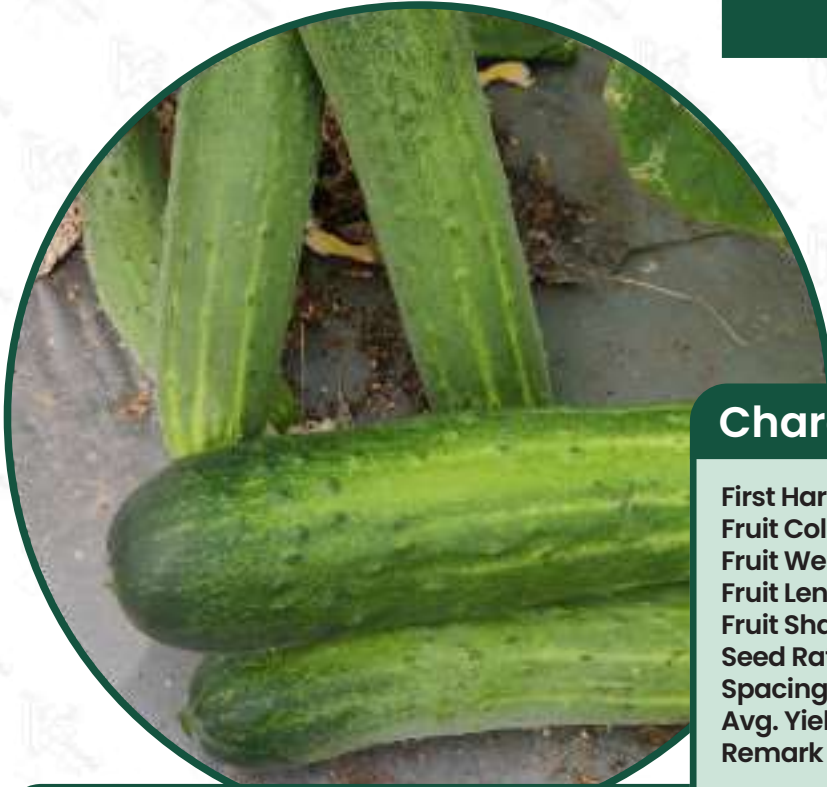
JMKSU 4141

Characters

Days to Maturity	: 85-90 Days
Fruit Shape	: Flat round
Fruit Colour	: Green with white spots
Fruit Weight	: 5-7 Kg
Seed Rate	: 3-4 Kg/Ha
Spacing	: 60x300
Yield	: 40 Tons/Ha
Remark	: Excellence fruit set bears 4-5 fruits per plant



CUCUMBER



Kalinka F1

Characters

First Harvest	: 35-40 Days
Fruit Colour	: Attractive dark green
Fruit Weight	: 120-150 gm
Fruit Length	: 12-15 cm
Fruit Shape	: Uniform Cylindrical
Seed Rate	: 700-900 gm
Spacing	: 30x150 cm
Avg. Yield	: 20-21 Tons/Ha
Remark	: Very high yielding & vigorous hybrid, same as saira can withstands high temperature





Renuka F1

Characters

Plant Type	: Erect with cut leaves
No. of Branches	: 4 minimum
First Harvest	: 45-51 days
Fruit Length	: 12-14 cm
Diameter	: 1.5-1.8 cm
Fruit Colour	: Dark green
Remark	: Good for long transport, high resistance to YVMV, very high yielding, dominating Indian market





Characters

Nodal Distance	: Very short
Fruit Shape	: Thin wall with small seed
Fruit Colour	: Attractive dark green
Fruit Length	: 12-14 cm
Fruit Weight	: 12-15 gm
No. of Ridges	: 5-6
Plant Height	: Medium tall
Branching	: 2-4 branches
No. of Pickings	: 68-75
Avg. Yield/Picking	: 650 Kg
Seed Rate	: Ideal - 5 Kg/Ha (60x90 cm) Dense Plantation - 8 Kg (30x60 cm)

Shruti F1



MARIGOLD



JMKSU 4009

Characters

Maturity : 55-60 days after transplanting
Plant Height : 2.5-3 feet
Remark : High yielding hybrid



MARIGOLD



JMKSU 4344

Characters

Maturity	: 55-60 days after transplanting
Plant Height	: 2.5-3 feet
Flower Colour	: Orange
Remark	: High yielding hybrid



ROUND GOURD

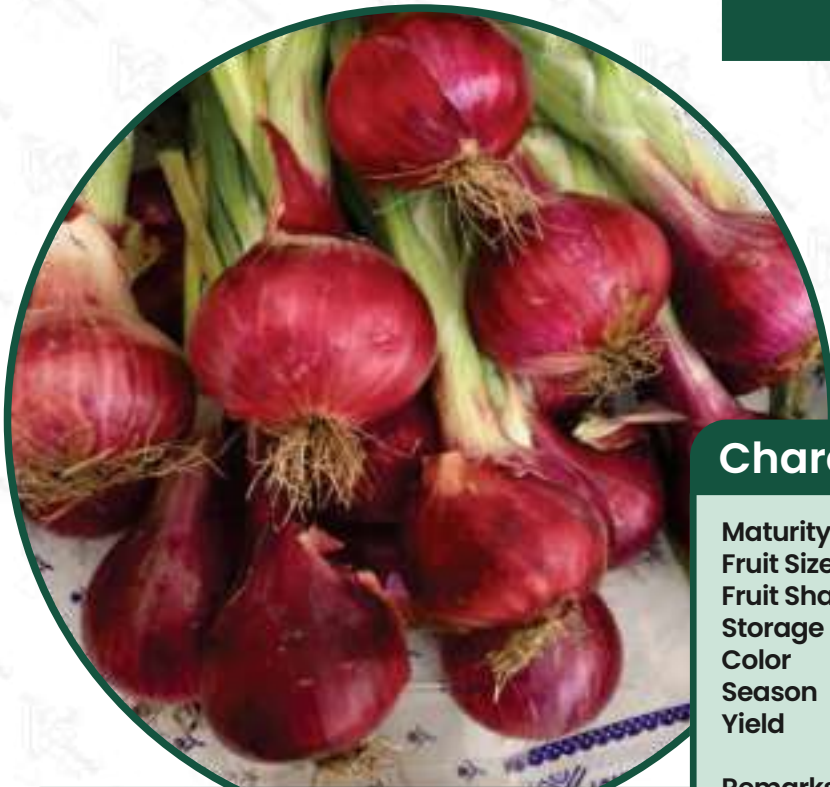


Tinda Hero F1

Characters

First Picking	: 40-45 days
Fruit Colour	: Green
Fruit Shape	: Medium size round
Avg. Fruit Weight	: 50-60 gm
Remark	: Attractive green colour hairy fruits





Nath F1

Characters

Maturity	: 100 Days
Fruit Size	: 100Grams
Fruit Shape	: Flat Globe
Storage	: For Fresh market
Color	: Medium Red
Season	: Kharif, Rabbi & mild summer
Yield	: 25-30Tones/Acer in winter & 15-20 tones in summer in drought
Remarks	: Can remain in field for complete year without bolting



INFORMATION CHART

Sr.	Crop	Seed rate/ha.	Spacing	Days to yield*/1 st picking	Yield* (Ton/ha)
1	Beetroot	5-10 kg	2.5-10 x 45-60	50	40-50
2	Okra	5 kg	30-60 x 60-90	55	17-20
3	Bottlegourd	2kg	60 x 180	55	60-75
4	Brinjal	150-200 gm	45-60 x 60-75	60	60-80
5	Brocoli	300-350 gm	30-60 x 30-75	65	40-60
6	Cabbage	300-400 gm	30-60 x 30-75	65	70-90
7	Carrot	5-10 kg	2.5-7.5 x 45-60	75	25-40
8	Cauliflower	250-350 gm	30-60 x 30-75	70	40-60
9	Celery	20000-25000 seeds	30 x 60	80	30-40
10	Chicory Green Hearted	20000-25000 seeds	30-40	75	10-20
11	Chillies	250-300 gm	30-45 x 45-75	55	20-30 (Green)
12	Chinese Cabbage	300-400 gm	30-60 x 30-75	65	40-50
13	Coriander	20-50 kg		45	10-20
14	Cucumber	700-900 kg	30 x 150	35-40	10-20
15	Endive	500 gm	40 x 40	55-65	5-10
16	Fennel	75 gm	20 x 45	90	15-25
17	Gherkin	1 kg	30 x 100-150	50	10-20
18	Kale	300-400 gm	40 x 60	55	70-80
19	Knol Khol	3-4 kg	15-20 x 45-60	75	60-80
20	Leek	1 kg	15 x 40	110	30-50
21	Musk Melon	0.75-1 kg	60-90 x 180x240	90	8-10
22	Onion	4-6 kg	10-15 x 45-75	90	25-40
23	Parsely	500 gm	10 x 30	75-90	20-25
24	Pumpkin	3-4 kg	60 x 250-300	60	40
25	Radish	10 kg	5 x 20	65	10
26	Ramanesco	200-350 gm	30-60 x 30-75	70	40-60
27	Red Cabbage	300-400 gm	30-60 x 30-75	90	50-60
28	Ridge Gourd	16 kg	60 x 180	65	40-50
29	Savoy Cabbage	3 kg	30-60 x 30-75	75	40-50
30	Spinach	8-10 kg	15 cm	60	15-25
31	Sponge Gourd	3 kg	60 x 180	60	40
32	Sweet Corn	8-10 kg	20-15 x 60	85-90	50000 cobs
33	Tomato	120-150 gm	30-45 x 30-60	60	80-100
34	TPS	100-150 gm	15-20 x 45-60	90	12-30
35	Watermelon	2-2.5 kg	60-90 x 180-240	90	10-15



INFORMATION CHART

VARIETY	OKRA	BRINJAL	CABBAGE	CHILLI	ONION	TOMATO
Sowing Time	Round the year except very cold winter.	May-June, October-November, January-February	Round the year except hot summer	June-July, September-October, January-February	June-August, October-December	Mid May-June, October-November, January-February
Soil	Well drained and fertile soil is desirable. But it can grow in different type of soil.	Well drained and fertile soil is desirable. But it can grow in different type of soil.	Well drained light to medium soil.	Light to medium heavy soil with good drainage.	Light to heavy clay & black soil with acidic reaction optimum soil PH range is 5.8 to 6.5	Well drained soil
Spacing	1 to 2 ft. x 2 to 3 ft.	45 x 60 cm 60 x 75 cm	30 x 45 cm 30 x 60 cm	1 to 1.5 ft. by 1.5 to 2.5 ft.	10-15 x 45-75 cm	2 x 2.5 ft.
Fertilizer Dose	2 weeks before sowing of seeds apply 20-25 T/ha FYM. Before sowing of seeds apply 75 Kg N : 60 Kg P ₂ O ₅ : 75 Kg K ₂ O/ha. Nitrogen should be given in the form of Ammonium Sulphate.	At the time of land preparation 15-20 T/ha FYM should be applied. Then before transplanting apply 50 Kg N:50 Kg P ₂ O ₅ : 50Kg K ₂ O/ha & transplant the plant on ridge. Then apply 50 Kg N/ha at 2 equal split doses. One at 30 days after transplanting.	Apply 20 T FYM/ha at the time of land preparation, apply 100 Kg N, 100 Kg P ₂ O ₅ & 100 Kg K ₂ O per hectare & make light ridges, furrows. Then 30 days after transplanting apply 100Kg N/ha as top dressing. If the soil is acidic, apply micro nutrient for boron and molybdenum.	Apply 15-20 Tons FYM in ha at the time of final land ploughing. At the time of final land preparation, apply 40 Kg K ₂ O/ha and make light ridges. Then 20 days after transplanting again 30 Kg N/ha 40Kg P ₂ O ₅ : 40 Kg K ₂ O/ha should be applied. After first fruit picking apply final dose of 30 Kg N/ha.	20 Ton FY M/ha should be applied at the time of land preparation. Before transplanting apply 65 Kg N:60 Kg P ₂ O ₅ : 100 kg K ₂ O/ha. Then 30 days after transplanting 60 Kg N/ha should be applied as top dressing. Band placing of fertilizer 5 cm, below seedlings & 2cm to the side gives efficient use of nutrients. Stop fertilizers & irrigation after 75 days to avoid bolting.	Apply 15-20 t/ha FYM. At the time of land preparation Apply 80 Kg N 100 Kg P ₂ O ₅ : 100 Kg K ₂ O/ha at the time of final land preparation & make light ridges at 2 1/2 ft. distance. Then 30 days after transplanting apply 80 Kg N/ha as first top dressing, apply 40 Kg N & 30 Kg K ₂ O/ha
Pest Control	1. Dusting with sulfur for powdery mildew 2 or 3 times. 2. Rogor metasystox (any systematic) spray as per infestation of sucking pest.	Spray with Sevin 0.2% or Endosulphor or Malathion 0.1%	Dust with Dizzionon & spray Malathion 0.1%	Spray Quinalphos 25 EC or Dionethoate 0.03% or Monocrotophas 0.3%	Spray Malathion 0.05%	Spray Endusulphor 0.05% or Metasystox 0.1%
Irrigation	In summer & winter crops, apply irrigation at 7 days interval depending upon soil condition. In rainy season well drainage should be provided.	For a successful brinjal crop about 100-110 cm of irrigation should be decided according to soil type.	Light irrigation should be according to the need of the crop depending on soil type. A dry spell followed by sudden irrigation results in head cracking.	Number of irrigations may be varied depending upon soil condition. However, in light soil, frequency of irrigation is more than heavy soil.	Irrigation should be given in such a way that no dry spell takes place. A dry spell followed by irrigation may cause problem on outer scale.	Apply irrigation as & when required. Heavy irrigation after long dry spell, results in cracking of fruit.





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