

SUVARNA HYBRID SEEDS – Bangalore, INDIA



Narayan. V. Patil
Managing Director

Our Company is Headed & Founded by Narayan. V Patil, Managing Director, is a well known entity in seed Industry. He Brings a vast and vivid experience to the table, in the past he has successfully managed two renowned seeds enterprises. Our trained technical staff are spread all across the Country. We market a broad range of varieties which have been tested at different geography and come with confidence of performance. Our staff gives full technical support to our customer base. Excellent product range assured performance, international quality bench marking are the reasons why we pursue you to switch over to Suvarna Seeds.

Our R&D team consist of experienced breeders with high track record, dynamic dedicated to the breeding of new varieties and bring prosperity to Indian farming community. We urge you to sow the seeds coming from Suvarna's portfolio & reap bountiful harvest. We re-iterate our assurance of quality of any product packed & offered for sales under Suvarna Brand.

The Marketing team consists of highly experienced and qualified professionals in the field. The marketing team is in constant touch with the seed distributors, farmers and procurement agencies, educating about the salient features of our products.

As our punch Line say “ not Just Seeds... Sow the right Seeds.... ”

We sow the finest seeds and reap bountiful harvests. Though quantity is the desired outcome for any industry or business enterprise, fundamentally Suvarna Seeds differ in this. We believe in quantity with top quality & service. Therefore a regimental approach to a result oriented quality control system is implemented at all stages. Our unique quality control features include testing for germination, genetic purity. A dedicated and professional team is employed to monitor the quality of hybrids at all stages. We are committed to develop goodwill among Indian farming community and have strong willingness to move ahead as per our mission.

We have great pleasure in placing before you our revised and illustrated vegetable seed catalogue.

We look forward your continued support in fulfilling our mission.
Come.. Let's grow together!!

BEANS GENIUS





RESEARCH & DEVELOPMENT





Dr. Rame Gowda
Technical Advisor
Contact:
08792405145
drguasb@gmail.com

Dr. Rame Gowda, is the former Associate Director of Research, Special Officer (Seeds) and Professor (HAG) & University Head, Department of Seed Science and Technology, University of Agricultural Sciences, Bangalore, He has specialized in seed science & Technology and served in the University for about 36 years and involved Teaching, Research, Extension and Management Experience in the field of Seed Science & Technology. He has served as a member of several important State level Seed Committees, Central Seed Committees, Technical Committees of KSSC, Board of

Director, KSSOCA, etc. He has contributed a lot in academic, technical and policy issues of seeds. He has guided 36 Post Graduate students leading to 25 M.Sc. (Agri.) and 12 PhD degrees in Seed Science & Technology on various aspects of seeds and also served as member, postgraduate advisory committees of various faculty in large number (>100); published over 190 scientific papers, several chapters, manuals Annual reports, etc., of which more than 90 research papers are in peer reviewed journals (NAAS rated), which are widely referred and cited by the academicians. He has organized several trainings of state and national level including ICAR summer/winter school, short courses, seminar / workshops / conferences etc. He received several awards and recognitions for his contributions in the area of seed research, teaching, extension and management, which include Gold Medals for his M. Sc. (Agri.) by the UAS, Bangalore & PhD by the TNAU, Coimbatore; Fellow of Indian Society of Seed Technology (2017); Commonwealth Fellowship (1994), ICAR Senior Research Fellowship (1989) and Certificates of Merits (30) by the UAS, Bangalore for his externally funded projects, seed revenue generation under revolving fund, creation of Infrastructure for seed developmental activities at the University level etc. Recently he has been conformed "Life Time Achievement Award" by the Society of Tropical Agriculture for his outstanding contribution in the field of Agriculture. He also served in the Editorial Board of Seed Research, Oilseed Journal etc., and serving as member of various academic Institutions. He is widely travelled and has visited many International Seed Companies and ISTA Laboratories at The Philippines, Singapore, Germany, France, and Switzerland and he has been associated with various R & D Institutes.

Under his able guidance and strong experience in seed industry, Suvrna Hybrid Seeds desires to achieve pivotal milestones in R & D which will enable development of superior products. Utilizing Dr. Gowda's ability and track record of academic excellence, customer relations, Suvarna Hybrid Seeds plans to develop and solidify with world class seed enterprises across the Globe.

Hybrids of Vegetables



**F1-HYBRID
ASH GOURD SHILPA**

1. Ash Gourd – Shilpa

Big Segment, Round fruits with green ash colored skin, 6-8kg fruit weight, good for long distance transportation. Days to Harvest 95 days of Sowing. 26 seeds each gram Approx.



F1 HYBRID RED ALL

2. Beet Root – Red All

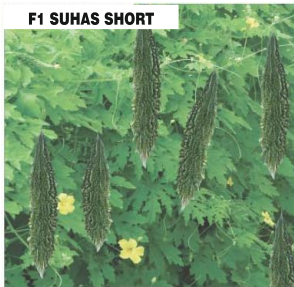
Hybrid Segment, Tops are globe shaped. Smooth, Dark Red, Sweet and free from zonation. Tops weight 150-200gms. Days to Harvest 60-65 days After Sowing. 90 seeds each gram Approx.

F1 HYBRID SINJINI



3. Bitter Gourd – Sinjini

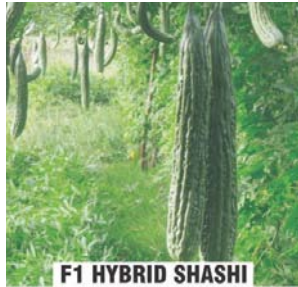
Long Segment Early maturity, fruits are 15-20 cm long with prominent spines and dark green in color, fruit wt 90-110gm. Good yield. Days to Harvest 60 Days After Sowing. 9 seeds each gram Approx.



F1 SUHAS SHORT

4. Bitter Gourd- Suhas

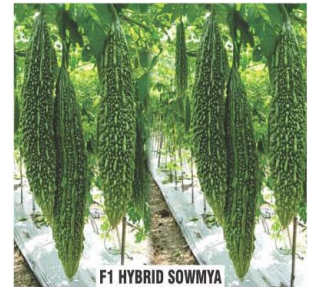
Short Segment Early maturity, fruits are 15 cm long with prominent spines and dark green in color, fruit wt 90-110gm. Good yield. Days to Harvest 55 Days After Sowing. 8 seeds each gram Approx.



F1 HYBRID SHASHI

5. Bitter Gourd-Shashi

Long (Jalari) Segment. Early maturity, fruits are 20-25 cm long without spines and dark green in color, fruit wt 150gm. Good yield. Days to Harvest 60 Days After Sowing. 9 seeds each gram Approx.



F1 HYBRID SOMMYA

6. Bitter Gourd-Soumya

Long Segment. Early maturity fruits are 20-22 cm long with prominent spines and dark green in color, fruit wt 90-110gm. Good yield. Days to Harvest 60 Days After Sowing. 8 seeds each gram Approx.



F1 HYBRID KIRAN

7. Bitter Gourd-Kiran

Long Segment. Early maturity fruits are 15-20 cm long with prominent spines and White green in color, fruit wt 90-110gm. Good yield. Days to Harvest 60 Days After Sowing. 10 seeds each gram Approx.



F1 HYBRID BHENDI SUMITHRA - 15

8. Bhendi Sumitra-15

Early Segment Prolific growing erect plants with good branching habit. Fruits medium long 8-10 cm and dark green. Highly tolerant to Y.M.V. Days to Harvest 45 Days After Sowing. 34 seeds each gram Approx.



F1 HYBRID SUMITHRA 2000

9. Bhendi Sumitra – 2000

Mid Early Segment. Vigorous erect plants with good branching habit. Fruits very sleek, 13-14 cm long dark green. Tolerant to Y.V.M.V. Days to Harvest 50 Days After Sowing. 31 seeds each gram Approx.

Hybrids of Vegetables



F1HYBHENDI ANNA - 10

10. Bhendi Anna – 10

Early Segment. Vigorous growing plants short internodal distance. fruits medium long, 10-12 cm tender and green. Tolerant to Y.M.V. Days to Harvest 40 Days After Sowing. 28 seeds each gram Approx.



F1HYBRID AJANTHA

11. Bhendi Ajantha

Mid Early Segment. Vigorous erect plants with good branching habit. short internodal distance. fruits smooth medium long 9-10 cm lustrous green. Tolerant to Y.M.V. Days to Harvest 50 Days After Sowing. 33 seeds each gram Approx.



F1 HYBRID SAROVAR

12. Bottle Gourd-Sarovar

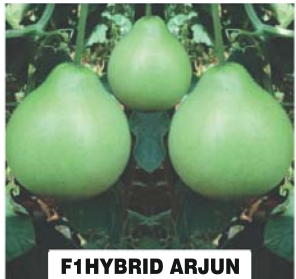
Medium long Segment Prolific bearing habit. Fruits are smooth, light green, uniform cylindrical, 45-50 cm long. Avg wt. 350-400gm. Dia 6.0 – 6.5 cm. Days to Harvest 70 Days After Sowing. 13 seeds each gram Approx.



F1 HYBRID SAKSHI

13. Bottle Gourd-Sakshi

Short Segment Continuous bearing habit. Fruits are smooth, light green, uniform cylindrical, 60 cm long. Avg wt. 250-300gm. Days to Harvest 65 Days After Sowing. 14 seeds each gram Approx.



F1HYBRID ARJUN

14. Bottle Gourd-Arjun (Round)

Short Early Segment Early maturity and High fruiting, Green Bulb shape. Fruits are smooth,. Avg wt. 1 kg. Days to Harvest 60 Days After Planting. 16 seeds each gram Approx.



F1 HYBRID SUSHEELA

15. Brinjal-Susheela

Medium, Early Segment Dark purple, attractive, oval round fruits with green calyx. 120gm weight. Days to Harvest 65 Days After Planting. 480 seeds each gram Approx.



F1 HYBRID SARALA

16. Brinjal-Sarala

Medium, Early Segment Medium long, light purple, thornless fruits with green calyx, 90-100gm weight. Days to Harvest 70 Days After Planting. 200 seeds each gram Approx.



F1 HYBRID SUREKHA

17. Brinjal-Seema

Medium, Early Segment Large sized attractive oval round lustrous purple fruits. Thornless green calyx. Fruit Weight 200-225 gm. Days to Harvest 65 Days After Planting. 100 seeds each gram Approx



RESEARCH SUVARNA -12

18. Brinjal-Suvarna 12

Medium, Early Segment Large sized attractive oval round lustrous purple fruits. Thornless green calyx. Fruit Weight 200-225 gm. Days to Harvest 65 Days After Planting. 308 seeds each gram Approx



F1 HYBRID SNEHA

19. Brinjal-Sneha

Medium, Early Segment Long slender, uniformly green fruits with thornless green calyx. Fruit Weight 100-120 gm. Days to Harvest 65 Days After Planting. 105 seeds each gram Approx.



F1 HYBRID SUREKHA

20. Brinjal-Surekha

Medium, Early Segment Large sized shiny, blackish purple round fruits. Thornless green calyx. Fruit Weight 180-200 gm. Days to Harvest 75 Days After Planting. 106 seeds each gram Approx.



F1HYBRID SADANA

21. Brinjal-Sadana

Medium, Early Segment Big sized round attractive purple fruits. Thorn less green calyx. Fruit Weight 400-500 gm. Days to Harvest 65 Days After Planting. 112 seeds each gram Approx.



SONI TY

22. Brinjal-Soni TY

Medium, Early Segment, oval round, light purple with white streaks attractive fruits. Thornless on leaves and calyx. Fruit Weight 100-125 gm. Days to Harvest 70 Days After Planting. 179 seeds each gram Approx



SANIYA TL

23. Brinjal-Saniya TL

Medium, Early Segment Oval round lustrous purple fruits with white streaks. Thorn less green calyx. Fruit Weight 100-125 gm. Days to Harvest 65 Days After Planting. 280 seeds each gram Approx.



F1HYBRID BRINJAL-SUHANI

24. Brinjal-Suhani (Round)

Bush Segment Oval round green with green calyx. Fruit Weight 70-80 gm. Days to Harvest 75 Days After Planting. 400 seeds each gram Approx.



BRINJAL WINNER

25. Brinjal-winner

Medium, Early Segment Elongated egg shape Violet with green calyx. Fruit Weight 80-100 gm. Days to Harvest 65 Days After Planting. 175 seeds each gram Approx.



F1 HYBRID SOUNDARYA

26. Brinjal-Soundarya

Medium, Early Segment Elongated Oval purple with green calyx. Fruit Weight 100-120 gm. Days to Harvest 65 Days After Planting. 110 seeds each gram Approx.

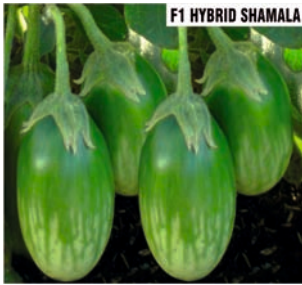


F1 HYBRID SAROJA

27. Brinjal-Saroja

Medium, Early Segment Round Dark purple with green calyx. Fruit Weight 150-200 gm. Days to Harvest 65 Days After Planting. 330 seeds each gram Approx

Hybrids of Vegetables



F1 HYBRID SHAMALA

28. Brinjal-Shamala

Medium, Early Segment Round Dark purple with green calyx. Fruit Weight 150-200 gm. Days to Harvest 65 Days After Planting. 330 seeds each gram Approx



F1 BRINJAL SAHANA

29. Brinjal-Sahana

Medium, Early Segment Round Green with white streaks. Thorn less green calyx. Fruit Weight 100-120 gm. Days to Harvest 65 Days After Planting. 298 seeds each gram Approx



BRINJAL GP-098

30. Brinjal-GP-98

Medium, Early Segment Oval purple with white and break green calyx. Fruit Weight 90-100 gm. Days to Harvest 65 Days After Planting. 340 seeds each gram Approx



F1 HYBRID SHANKAR

31. Brinjal-Shankar

Medium, Early Segment Round oval white with green calyx. Fruit Weight 80-90 gm. Days to Harvest 65 Days After Planting. 152 seeds each gram Approx



BRINJAL SUJAY

32. Brinjal-Sujay

Early Segment, Oval Round light purple with Green/white Streak. Days to Harvest 65 Days After Planting. 410 seeds each gram Approx.



BROCHOLI AMAR

33. Brocholi – Amar

500 to 700 gram curd bluish Green. Ready in 90 days. Good vigour. 210 seeds each gram Approx.



F1 HYBRID SHREYA

34. Chilli-Shreya

Fresh Market Light Green, Parrot green, slender, medium wrinkle fruits. 12-14 cm long, 1.2cm dia, pungent with thick skin. Days to Harvest 70 Days After Planting. 270 seeds each gram Approx.



F1 HYBRID SUMAN

35. Chilli-Suman

Dual Purpose Dry and Fresh. 10-12 cm long with 1.2cm dia, very pungent green fruits. Fruits turn red on maturity, very firm, can be harvested more than 10 times, dual purpose good for transportation. Days to Harvest 60 Days After Planting. 210 seeds each gram Approx.



**F I
H Y B R I D
S U N A M I**

36. Chilli-Sunami

Dry and Fresh Dual Purpose Plant height 85-90 cm, green fruits. 18-20cm long and 2.5 cm dia without wrinkle, turn red on maturity. Days to Harvest 70 Days After Planting. 220 seeds each gram Approx.

Hybrids of Vegetables



F1 HYBRID SAINIK

37. Chilli-Sainik

Dry and Fresh Dual Purpose Plant height 85-90 cm, green fruits. 20-24 cm long and 2.5 cm dia. with medium wrinkle, turn red on maturity. Days to Harvest 65 Days After Planting. 265 seeds each gram Approx.



F1 HYBRID SUVARNA 27

38. Chilli-Suvarna-27

Short in length but very good for fresh. Light green, 10 cm long 1.2 to 1.4 cm dia, thick skin, seeds packed tight inside helps for long distance transportation. Days to Harvest 60 Days After Planting. 255 seeds each gram Approx.



39. Chilli-Kanthi

Dual Purpose Dry and Fresh. Well branched 70-80cm plants. Dark green fruits turn red on maturity, high pungency. 9-10 cm fruits. Dual purpose good for summer and rains. Days to Harvest 75 Days After Planting. 270 seeds each gram Approx.



CHILLI-F1-HYBRID ASTRA

40. Chilli-Astra

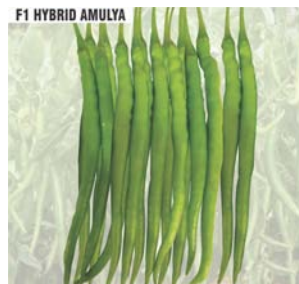
Dry and Fresh Dual Purpose. Well branched 70-80 cm plants, dark green fruits turn red on maturity, upright high pungency. 8-9 cm fruits, dual purpose good for summer and rains. Days to Harvest 65 Days After Planting. 275 seeds each gram Approx.



F1 HYBRID CHILLI SUSHMA 64

41. Chilli-Sushma-64

Dry Purpose winter and summer. Green slender wrinkle free fruits of 10-12 cm long. Highly pungent and good for long transportation. Dual purpose chilli. Days to Harvest 75 Days After Planting. 280 seeds each gram Approx.



F1 HYBRID AMULYA

42. Chilli-Amulya

Dry and Fresh Dual Purpose. This is a very vigorous hybrid. Grows up to 100 cm tall. Fruits are pendent and lustrous they are 16-18 cm long and weigh 10-12 gm per fruit. The dia is 1.2 cm. High pungent and very high yielder. Tolerant for stress conditions. Can tolerate drought conditions. Days to Harvest 75 Days After Planting. 260 seeds each gram Approx.



F1 HYBRID TOOFAN

43. Chilli-Toofan

Dry and Fresh Dual Purpose. Plant height 90-100 cm. green fruits. 18-20 cm long and 3 cm dia without wrinkle, turn on maturity. Days to Harvest 70 Days After Planting. 265 seeds each gram Approx.



F1 HYBRID ABHAY - 2

44. Chilli-Abhay - 2

Dry and Fresh for pickle. Plant height 85-90 cm, parrot green fruits. 12-14 cm long and 2.2 cm dia with medium wrinkle, turn red on maturity. Days to Harvest 70 Days After Planting. 277 seeds each gram Approx



F1 HYBRID AKSHITHA

45. Chilli-Akshitha

Fresh Market Light Green, Plant height 85-90 cm, Parrot green fruits. 10-12 cm long and 2 cm dia with medium wrinkle, turn red on maturity. Days to Harvest 70 Days After Planting. 280 seeds each gram Approx.



F1 HYBRID SRIDEVI

46. Chilli-Sridevi

Fresh Market Dark Green. Tall erect plant 70-80cm in Height. Dark green, slender, 10-12cm long. Dia 1.0 – 1.2 cm. Days to Harvest 70 Days After Planting. 280 seeds each gram Approx.



F1 HYBRID CHILLI SUVARNA 505

47. Chilli-Suvarna 505

Fresh and dry market. Fruits are medium long, 10-12 X 1.0 – 1.2 cm. dark green, pungent, Green fruits have good keeping quality. Days to Harvest 70 Days After Planting. 265 seeds each gram Approx.

F1 HYBRID ARABINDO



48. Cabbage-Arbindo

Mid Early Segment. Round, Compact head. Excellent field holding capacity. Tolerant to black rot. Average weight 1.5 – 2 kg. Bluish green outer leaves. Days to Harvest 65 Days After Planting. 290 seeds each gram Approx.



49. Cabbage- Vajra

Early Segment. Medium sized globed head. Average weight 1 – 1.5 kg. late bursting, 25 days field holding capacity. Green outer leaves. Days to Harvest 65 Days After Planting. 245 seeds each gram Approx.



F1 HYBRID SUPREME

50. Cabbage-Supreme

Very Early Segment. Medium sized globed head. Maximum weight 1 kg. 15 days field holding capacity. Green leaves. Days to Harvest 50 Days After Planting. 230 seeds each gram Approx



F1 HYBRID GANDAKI

51. Cabbage-Gandaki

Mid Early Segment. Medium size, all green, round head, 1 to 1.25 kg. Good field holding. Days to Harvest 60 Days After Planting. 220 seeds each gram Approx



F1 HYBRID TUNGA

52. Cabbage-Tunga

Mid Early Segment. Green leaves, medium large round head. Average weight 1.2 – 1.6 kg. Field holding up to 30 days after maturity. Days to Harvest 70 Days After Planting. 225 seeds each gram Approx



F1 HYBRID BRAMHAPUTRA

53. Cabbage-Brahmaputra

Late Segment. Semi flat, deep green, firm, hard head, weight 2-3 kg. Late bursting, tolerant to black rot, green outer leaves. Days to Harvest 90 Days After Planting. 312 seeds each gram Approx



F1 HYBRID TAKE OVER - 65

54. Cabbage-Takeover-65

Early Segment. Medium sized globed head. Average weight 1 – 1.5 kg. Late bursting, 25 days field holding capacity. Days to Harvest 65 Days After Planting. 307 seeds each gram Approx.



F1 HYBRID PEACOCK

55. Cauliflower-Peacock

Early summer segment. Cream white and compact curd, grows well between 15-35°C. Weigh about 2 kg. Days to Harvest 80 Days After Planting. 360 seeds each gram Approx.



F1HYBRID ANTARA 1

56. Cauliflower-Antara 1

Medium Early summer segment. Cream white and compact curd, grows well between 15-35°C. Weigh about 2 kg. Days to Harvest 80 Days After Planting. 360 seeds each gram Approx.



F1 HYBRID SUPRIYA

57. Cauliflower-Supriya

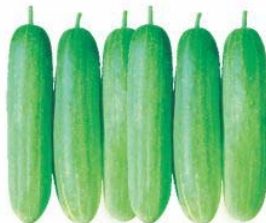
Early summer segment. Uniform white and tight curd, grows well between 15-30 degree C. weight about 1 kg. Days to Harvest 80 Days After Planting. 362 seeds each gram Approx.

F1 HYBRID SHANTI



58. Cucumber-Shanthi

Early segment. Fruit light green with soft white spine. Cylindrical shape. Weight 300-325 gm, 20-24 cm length. Days to Harvest 42 Days After Planting. 57 seeds each gram Approx.



F1 HYBRID SHARMILI

59. Cucumber-Sharmili

Early segment. Green Fruit with white spine. Cylindrical shape. Weight 300 gm, 20 cm length. Dia 5.0 to 5.5 cm. Days to Harvest 42 Days After Planting. 54 seeds each gram Approx



F1HYBRID

WHITE LONG SANJEEVINI

60. Cucumber-Sanjeevini White Long

Early segment. White Green Fruit with soft white spine. Cylindrical shape. Weight 250 gm, 16-18 cm length. Days to Harvest 35 Days After Sowing. 50 seeds each gram Approx

**SAMBAR CUCUMBER
F1 HYBRID SANJAY**



61. Cucumber-Sanjay Sambar

Squash segment. Oval shape with Green streaks. Average Weight 600-650 gm, 20 cm length. Days to Harvest 65-70 Days After Sowing. 50 seeds each gram Approx.



F1HYBRID VASAVI

62. Capsicum-Vasavi

Square long segment. 3 to 4 lobe Fruit. Green in color. Fruit weight 150-200 gm. Good yield. Seed rate 150g per acre. Days to Harvest 60 Days After Sowing. 275 seeds each gram Approx.



F1 HYBRID CAPSICUM SAVITHA

63. Capsicum-Savitha Long

Fresh market and Processing. Elongated type sweet pepper. Fruits are elongated, long. 15-18 x 3.4 cm. dark green with thick wall and very mild pungency. Days to Harvest 65-70 Days After Sowing. 275 seeds each gram Approx.

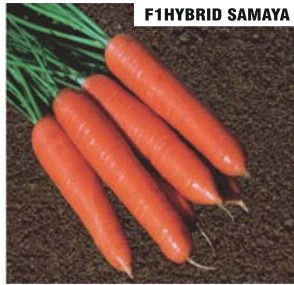
Hybrids of Vegetables



F1HYBRID SANDO

64. Carrot – Sando

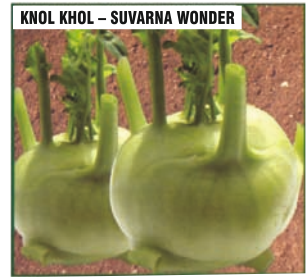
Nantes Type. Roots are long, 18-20cm, cylindrical, smooth, deep orange with self floored core. Highly tolerant to cracking. Days to Harvest 110-115 Days After Sowing. 510 seeds each gram Approx.



F1HYBRID SAMAYA

65. Carrot – Samaya

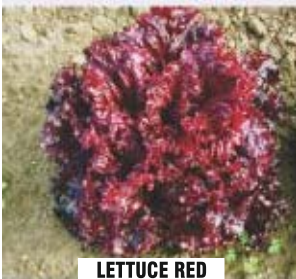
Kuroda type. Roots are long. Cylindrical, 18-20cm, smooth, attractive deep orange. Days to Harvest 105-110 days after sowing. 520 seeds each gram Approx.



KNOL KHOL – SUVARNA WONDER

66. Knol Khol – Suvarna Wonder

Field holding. 150 gm bulbs. Low fibre. 56 days to harvest. 545 seeds each gram Approx.



LETTUCE RED

67. Lettuce – Red

Leafly Segment. Dark red, sweet in taste. Good flavor. Harvest 46 days after sowing. 2380 seeds each gram Approx.



LETTUCE ROMANIA

68. Lettuce – Romania

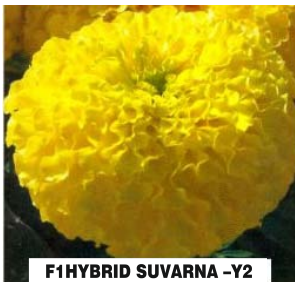
Leafly Segment. Dark Green, sweet in taste. Good flavor. Harvest 46 days after sowing. 1150 seeds each gram Approx.



LETTUCE GREEN

69. Lettuce – Green

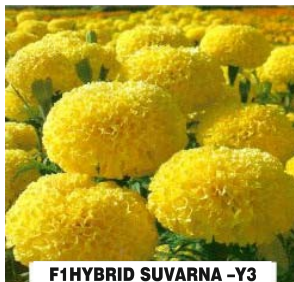
Leafly Segment. Dark Green, sweet in taste. Good flavor. Harvest 46 days after sowing. 1100 seeds each gram Approx.



F1HYBRID SUVARNA -Y2

70. Marigold-Suvarna –Y2

Medium Tall Segment. African hybrid, branching habit, fully doubled yellow flowers, Height is 90-100 cms. Sds count is 300 sds/gm. Healthy plants can give 1.5kg to 2kg 30 gms per acre. Days to Harvest 75 Days After Sowing. 400 seeds each gram Approx.



F1HYBRID SUVARNA -Y3

71. Marigold-Suvarna –Y3

Tall Segment. African hybrid, branching habit, fully doubled Yellow flowers, Height is 100-120 cms. Sds count is 300 sds/gm. Healthy plants can give 1.5kg to 2kg 30 gms per acre. 405 seeds each gram Approx.



F1HYBRID SUVARNA '04

72. Marigold-Suvarna-04

Tall Segment. True African hybrid, branching habit, fully doubled orange flowers, Height is 130-150 cms. Sds count is 260 sds/gm. Healthy plants can give 2kg to 2.5 kg. 30 gms per acre. 307 seeds each gram Approx.

Hybrids of Vegetables



**F1 HYBRID
MUSK MELON**

73. Musk Melon – Maduras
Normal Segment. Fruits oval-round, netted, 1.0 – 1.5 Kg. Flesh salmon red, sweet, T.S.S 13-14%. Days to Harvest 75 days after sowing. 48 seeds each gram Approx.

Maize Suvarna Super 10



74. Maize Suvarna Super 10
100 days from sowing. Each cob weight 500 grams. 6 seeds each gram Approx.



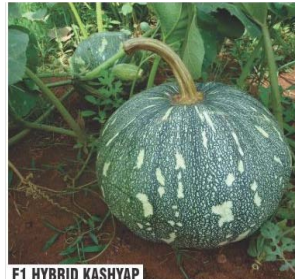
F1 HYBRID PAPAYA ADHAR

75. Papaya - Adhar
Early segment. Vigorous, prolific. Gynodioecious plants. Fruits short oblong on female plants and somewhat long on bisexual plants. Weight 1.5-2.0 kg. Flesh is thick and red. T.S.S 12-13%. Days to Harvest 7-8 months After planting. 74 seeds each gram Approx.



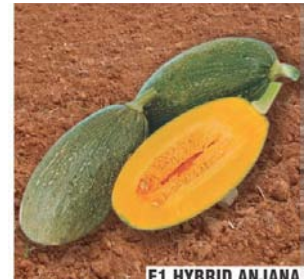
F1 HYBRID GOLD LADY

76. Papaya – Gold Lady
Early segment. Reddish-orange flesh and larger fruit, weigh 1.5-2.0kg. Flesh is thick and red. T.S.S 12-13%. Days to Harvest 7-8 months After planting. 70 seeds each gram Approx.



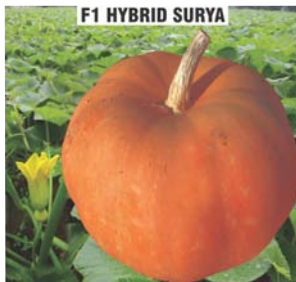
F1 HYBRID KASHYAP

77. Pumpkin-Kashyap
Medium Size Segment. Yellow Orange flush, 6-8kg each fruit. Good for transsport. Flat Round fruits one fruit per vine. Days to Harvest 90 days after sowing. 15 seeds each gram Approx.



F1 HYBRID ANJANA

78. Pumpkin-Anjana
Small size Segment. Deep Orange flush. 5-6kg each fruit weight. Round fruits one fruit per vine. Days to Harvest 75 days after Sowing. 13 seeds each gram Approx.



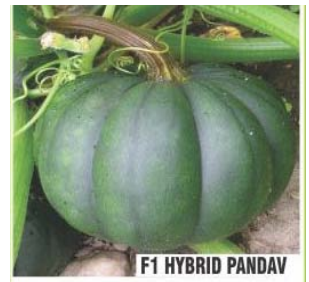
F1 HYBRID SURYA

79. Pumpkin-Surya
Early maturity. Suryamukhi type hybrid. Fruits are small. 1-1.5 kg, flattish round with attractive orange skin and flesh. Good for long distance transportation. Days to Harvest 75-80 days after Sowing. 18 seeds each gram Approx.



F1 HYBRID ARPITHA

80. Pumpkin-Arpitha
Early maturity. Flattish round fruits, with attractive deep orange flesh. Fruits weigh 4-5 kg white streaks or spots. Fruits become dull orange on maturity. Days to Harvest 80-90 days after sowing. 15 seeds each gram Approx.



F1 HYBRID PANDAV

81. Pumpkin-Pandav
Early maturity. Flattish Globe fruits, with attractive thick yellow flesh. Fruits weigh 4-5 kg Multi coloured dark green. Good for long distance transportation. Days to Harvest 80-90 days after sowing. 15 seeds each gram Approx.



PADDY – SUVARNA 666

82. Paddy – Suvarna 666

Kharif and Rabi. Plant Height 125-130cm. Pacicle length 25-28cm. Grains are long and slender. Days to Harvest Kharif: 120-125 days. Rabi: 145-150 days.



ALL GREEN

83. Palak All Green

Ready in 40 days. Vigour is very good. Multi-cut. 100 seeds each gram Approx.



F1 HYBRID RIDGE GOURD ARYA (SHORT)

84. Ridgegourd-Arya

Short, Early Segment. Dark green foliage, medium short fruit of 20-25 cm length attractive green color fruits, slow seed maturity. Days to Harvest 50 Days After Sowing. 15 seeds each gram Approx.



F1 HYBRID SWATHI

85. Ridge Gourd-Swathi

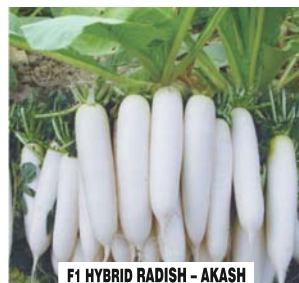
Long Segment. 50 cm long gourds, light green in color, very tender, non breaking. No Bitter taste. Low deep Ridges. Days to Harvest 60 Days After Sowing. 15 Seeds each gram Approx.



F1 HYBRID SONAL

86. Ridge Gourd-Sonal

Long Segment. Black green color fruits. 60-70 cm long, very tender. No Bitterness, can harvest after 60 days. Deep ridges. 17 seeds each gram Approx.



F1 HYBRID RADISH - AKASH

87. Radish – Akash

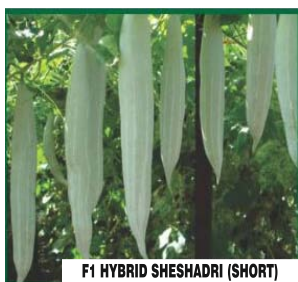
Early Maturity. Roots are uniformly cylindrical, snow white, smooth without hairs, from pithiness, medium long, Good taste. Days to Harvest 40 Days After Sowing. 90 seeds each gram Approx.



SUVARNA WHITE LONG

88. Radish-Suvarna White long

Early Segment. Vigorous Plant growth, Pure white in colour. Smooth Surface and Good in taste. Days to Harvest 65 Days After Sowing. 95 Seeds each gram Approx.



F1 HYBRID SHESHADRI (SHORT)

89. Snake Gourd – Sheshadri

Good for Late Winter and Kharif Sowing. Green foliage, medium short fruit of 60 cm length, Light green color fruits, slow seed maturity. Days to Harvest 60 days after planting. 8 seeds each gram Approx.



F1 HYBRID SWEET CORN - SUVARNA 65

90. Sweet corn – Suvarna 65

Oval round segment. 500g each cab weight. Seed rate 3 kg per acre. Days to Harvest 3 months after sowing. 7 seeds each gram Approx.

Hybrids of Vegetables



SUNDER

91. Baby corn - Sunder

Medium, Early Segment. Detasseling to be done, 8-10 cm long Corn weight 80g. 1-1.5 dia. Good for cooking. Seed rate 6 kg per acre. Days to Harvest 70 days After Sowing. 10 seeds each gram Approx.



F1 HYBRID SPONGE GOURD-DARK GREEN SHIVA

92. Sponge Gourd-Dark green Shiva

Short, Early Segment. Dark green foliage, medium short fruit of 25 cm length. Dark green color fruits. Slow seed maturity. Days to Harvest 50 days After Planting. 19 seeds each gram Approx.



F1 HYBRID SPONGE GOURD-LIGHT GREEN ANISHA

93. Sponge Gourd-Light green Anisha

Short, Early Segment. Green foliage, medium short fruit of 25 cm length. Light green color fruits. Slow seed maturity. Seed rate 300g per acre. Days to Harvest 50 days After Planting. 19 seeds each gram Approx.



F1 CHERRY TOMATO OVAL

94. Cherry Tomato Oval Red

All Round the year. Indeterminate hybrid. Cherry type red oval fruits. Fruit 20gm. Tolerant to TYLCV. Days to Harvest 65 Days After Planting. 780 seeds each gram Approx.



F1 CHERRY TOMATO ROUND

95. Cherry Tomato Round Red

All Round the year. Indeterminate hybrid. Cherry type round red fruits. Fruit weight 20gm. Tolerant to TYLCV. Days to Harvest 65 Days After Planting. 780 seeds each gram Approx.



F1 CHERRY TOMATO ORANGE (OVAL)

96. Cherry Tomato Oval Orange

All Round the year. Indeterminate hybrid. Cherry type Orange oval fruits. Fruit weight 20gm. Tolerant to TYLCV. Days to Harvest 65 Days After Planting. 615 seeds each gram Approx.



F1 CHERRY TOMATO ORANGE

97. Cherry Tomato Round Orange

All Round the year. Indeterminate hybrid. Cherry type round Orange fruits. Fruit weight 20gm. Tolerant to TYLCV. Days to Harvest 65 Days After Planting. 560 seeds each gram Approx



F1 CHERRY TOMATO YELLOW

98. Cherry Tomato Oval Yellow

All Round the year. Indeterminate hybrid. Cherry type yellow oval fruits. Fruit weight 20gm. Tolerant to TYLCV. Days to Harvest 65 Days After Planting. 607 seeds each gram Approx.



F1 CHERRY TOMATO YELLOW

99. Cherry Tomato Round yellow

All Round the year. Indeterminate hybrid. Cherry type round yellow fruits. Fruit weight 20gm. Tolerant to TYLCV. Days to Harvest 65 Days After Planting. 565 seeds each gram Approx.

Hybrids of Vegetables



F1 CHERRY TOMATO BROWN

100. Cherry Tomato Round Brown

All Round the year. Indeterminate hybrid. Cherry type round brown fruits. Fruit 20gm. Tolerant to TYLCV. Days to Harvest 65 Days After Planting. 624 seeds each gram Approx.



TOMATO CHERRY PINK ROUND

101. Cherry Tomato Round Pink

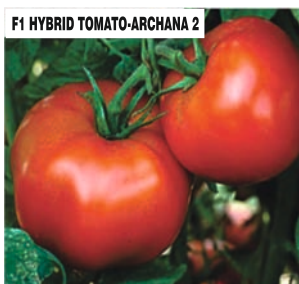
All Round the year. Indeterminate hybrid. Cherry type round red fruits. Fruit 20gm. Tolerant to TYLCV. Days to Harvest 65 Days After Planting. 560 seeds each gram Approx.



F1 HYBRID ARCHANA

102. Tomato-Archana

Op type F1 hybrid. Determinate hybrid. Flattish round red acidic fruits with dark green shoulder. Fruit weight 75-80 gm. Good for summer season cultivation. Days to Harvest 55 Days After planting. 427 seeds each gram Approx.



F1 HYBRID TOMATO-ARCHANA 2

103. Tomato-Archana 2

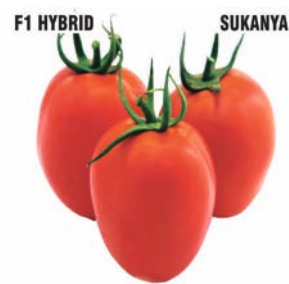
Op type F1 hybrid. Determinate hybrid. Fruits Flattish round with green shoulder, red and acidic. Fruit weight 70-80 gm. Tolerant to TYLCV. Days to Harvest 55 Days After planting. 427 seeds each gram Approx.



F1 HYBRID SHAMBHAVI

104. Tomato-Shambhavi

S-22 type F1 hybrid. Semi Determinate hybrid. Fruits round red, Fruit weight 80-90 gm. Tolerant to TYLCV. Days to Harvest 55 Days After planting. 415 seeds each gram Approx.



F1 HYBRID SUKANYA

105. Tomato-Sukanya

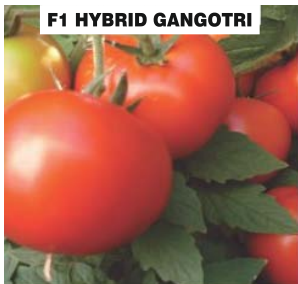
Square Round F1 hybrid. Determinate hybrid. Square round fruits. Fruit weight 90-100 gm. Jointed Firm Attractive shiny red fruits. Tolerant to TYLCV. Days to Harvest 70 Days After planting. 609 seeds each gram Approx.



F1 HYBRID VARUNI

106. Tomato-Varuni

oval in shape. Semi Determinate hybrid. Good foliage cover. Fruit medium sized, round, red, weight 90-100 gm. Very Good Shelf life. Days to Harvest 75 Days After planting. 610 seeds each gram Approx.



F1 HYBRID GANGOTRI

107. Tomato-Gangotri

Very Good for early summer. Indeterminate hybrid. Fruits square round, Uniform Shoulder. Fruit weight 70-80 gm. Days to Harvest 65 Days After planting. 317 seeds each gram Approx.



F1 HYBRID GEETA

108. Tomato-Geetha

Heat tolerant. Determinate hybrid. Flattish round red fruits. Fruit weight 90-95 gm. Good heat tolerance with moderate field tolerance to TYLCV. Days to Harvest 55 Days After planting. 580 seeds each gram Approx.

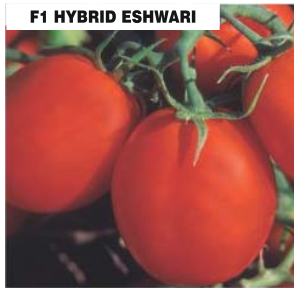
Hybrids of Vegetables



F1 HYBRID SARASWATI

109. Tomato-Saraswathi

Adoptable to heat and humid conditions. Determinate hybrid. Fruits square round red. Fruit weight 70-80 gm. Very high yielder. Days to Harvest 60 Days After planting. 434 seeds each gram Approx.



F1 HYBRID ESHWARI

110. Tomato-Eshwari

Very good for early Summer. Semi Determinate hybrid. Square round red fruits. Fruit weight 80-90 gm. Tolerant to TYLCV. Days to Harvest 75 Days After planting. 5 to 6 fruits in cluster. Joint Green Shoulder. 350 seeds each gram Approx.



F1 HYBRID KAVERI

111. Tomato-Kaveri

Desi type F1 hybrid. Semi Determinate hybrid. Flat round red acidic fruits with light green shoulder. Fruit weight 90-100 gm. Tolerant to TYLCV. Days to Harvest 70 Days After planting. 310 seeds each gram Approx.



F1 HYBRID SAVITRI

112. Tomato-Savitri

Good for winter Sowing. Determinate hybrid. Fruits have uniform green shoulder. Square round red. Fruit weight 90-100 gm. Tolerant to TYLCV and good for long distance transportation. Days to Harvest 70 Days After planting. 450 seeds each gram Approx.



F1 HYBRID YAMUNA

113. Tomato-Yamuna

Good for Winter Sowing. Semi Determinate hybrid. Fruits Round, Deep red in colour, Uniform Shoulder. Fruit Weight 80-90 gm. Days to Harvest 65 Days After planting. 425 seeds each gram Approx.



F1 SUVARNA - 558

114. Tomato-Suvarna 558

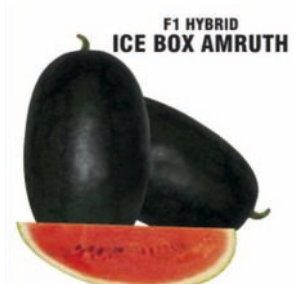
PKM-1 Segment. Determinate hybrid. Vigorous plants, Fruits are flat round, acidic with green shoulder. Ripe fruits red. Fruit weight 90-100 gm with good keeping quality. Tolerant to TYLCV. Days to Harvest 60 Days After planting. 470 seeds each gram Approx.



F1 HYBRID GOWRI

115. Tomato-Gowri

Good for winter and summer. Determinate hybrid. Fruits uniform green shoulder. Oval-round, red and very firm. Tolerant to heat and good for long distance transportation. Days to Harvest 65 Days After planting. 382 seeds each gram Approx.



F1 HYBRID ICE BOX AMRUTH

116. Water Melon-Ice Box Amruth

Oblong, black Segment. Fruits small, oblong. Uniformly blackish green. Fruit weight 3-4kg. Pulp bright red crisp, and very sweet. T.S.S 17%. Days to Harvest 65 days after Sowing. 32 seeds each gram Approx.



F1 HYBRID ICE BOX ANAND

117. Water Melon-Ice Box Anand

Oblong, light Segment. Fruits small, oblong. Light green with dark green stripes. Fruit weight 3-4kg. Pulp bright red crisp, and very sweet. T.S.S 17%. Days to Harvest 75 days after Sowing. 34 seeds each gram Approx.

Hybrids of Vegetables

F1 HYBRID 506



118. Water Melon-506

Oblong Segment. Fruits oblong. Medium sized, light green with dark green stripes. Pulp bright red crisp, and sweet. T.S.S 15%. Days to Harvest 65 days after Sowing. 16 seeds each gram Approx.

F1 HYBRID AYUSH



119. Water Melon- Ayush

Oblong Segment. Fruits big sized. Fruit weight 9-10kg. Oblong, light green with stripes. Pulp bright red, crisp and sweet. T.S.S 17%. Days to Harvest 85 days after Sowing. 14 seeds each gram Approx.

F1 HYBRID SHALINI



120. Water Melon-Shalini

Oblong Segment. Fruits medium sized, 7-8kg. oblong. With darker green stripes. Fruit weight 7-8kg. Pulp bright red crisp and sweet. T.S.S 15%. Days to Harvest 65 days after Sowing. 14 seeds each gram Approx.

F1 HYBRID BLACK BOSS



121. Water Melon-Black Boss

Round Segment. Fruits round, Uniformly blackish. Fruit weight 7-8kg. Pulp bright red crisp and sweet. T.S.S 17%. Days to Harvest 75 days after Sowing. 42 seeds each gram Approx.

F1 HYBRID ICE BOX MELONY



122. Water Melon-Ice Box Melony

Oblong dark Segment. Fruits small. Fruit weight 3-4kg. Oblong, dark green mixed with very light green stripes. Pulp bright red crisp, and very sweet. T.S.S 17%. Days to Harvest 65 days after Sowing. 38 seeds each gram Approx.

F1 HYBRID 406



123. Water Melon- 406

Oval Round Segment. Fruits oval round, medium sized green and light green stripes. Pulp bright red crisp, and sweet. T.S.S 15%. Days to Harvest 65 days after Sowing. 17 seeds each gram Approx.

PACKAGE OF PRACTICES FOR HYBRID TOMATO



Soil and Climate: Loam, Sandy loam or clay with adequate drainage and rich in organic matter are suitable for cultivation. Acidic and alkaline soils are not suitable. Day temperature 28 C and night temperature of 18 C optimum for the growth of plants.

Sowing Period : Although tomato is cultivated almost throughout the year in many parts of the country. The major planting periods are as follows :

Southern India : June – July, October – November, February – March

Northern Plains : July – August, November - December, February – March

Northern Hills : March – April

Seed Rate : 125 – 150 gm / ha (50-60 gm / ac)

Spacing : Determinate hybrids : 90 x 30 – 45 cm.

Indeterminate hybrids ; 100 – 120 x 30 – 45 cm.

Manures and Fertilizers : Farm Yard Manure : 25 – 30 tons / ha

Stage	N	P	K
Before Transplanting	30	65	20
20 days after transplanting	15	00	00
Before Flowering	20	00	20
After first picking	20	00	15
Total	85	65	55

In addition to above, application of neem cake at 300 – 400 kg / ha is beneficial in the management of spotted wilt (TOSPO) virus leaf miner and root knot nematode.

Apply the entire quantity of F.Y.M and neem cake at the time of final land preparation. For determinate hybrid, apply 60 kg N, 80 kg P205 60 kg potash at the time of final

land preparation. Balance quantity of Phosphorus, Potash and 60kg nitrogen as top dressing after 30 days of planting, Second top dressing of 60 kg nitrogen should be applied after 60 days of planting. For indeterminate hybrids top dress another dose of 60 kg nitrogen after 75 days of planting.

Staking: After 20-25 days of transplantation, stake 5-7 feet long poles (bamboo or Causurina stakes) after every 5-6 plants. Tie horizontal poles at every 30-45 cm along the vertical poles. Two to three rows of horizontal poles are needed for proper support of the plants.

Removal of side shoots: Remove all side shoots upto the first flower cluster. This helps in obtaining good sized fruits.

Irrigation : Depending on soil and weather conditions, irrigate the fields once in 4-5 days.

PLANT PROTECTION MEASURES :

Damping off : Drench nursery beds with copper oxy chloride or captan (2g / lit)

Alternaria Leaf Spot and Fruit Rot : Spray mancozeb or Chlorothalanil (2g / lit)

Buck Eye Rot : Spray mancozeb or chlorothalanil or copper oxy chloride or captafol (2gm / lit) or metalaxyl mancozeb (1 gm / lit)

Powder Mildew : Spray wettable sulphur (2g / lit) or dinocap (1 ml / lit) or systemic fungicides.

White fly: Spray monocrotophos / dimethoate or triazophos (1.5 ml /lit) or imidacloprid (0.5ml / lit)

Fruit Borer : Spray : endosulfan or quinolphos (2ml / lit) or carbaryl (4g / lit)

Leaf Miner : Spray triazophos (1.5ml / lit) or neem based pesticide (3-4 ml / lit)

Mites: Spray dicofol (2ml / lit) or monocrotophos (1.5ml/lit) or wettable sulphur (2g / lit)

Note: For more effective control of pests, use of neem seed kernel extract / oil is advised.

Soil and Climate : Chilli crop can be grown in black, red and lateritic type of soils in pH range of 5.5 to 8.5. The best suited soil is sandy loam rich in organic matter. Moderate temperature and high humidity favours good vegetative growth. However, fruit ripening is favoured by higher temperature.

Sowing Period : Kharif : June to July Seed Rate : 50 -60 gm / ac
Rabi : October to November

Spacing : Row to row : 60 – 75 cm **Manures and Fertilisers :** Farm Yard Manure : 10-15 tons / ac
Plant to plant : 45 – 60 cm

Apply F.Y.M. and half the recommended quantity of nitrogen and complete doses of Phosphorus Potash before Planting. Balance quantity of nitrogen has to be given two split doses as top dressing.

Stage	N	P	K
Before Transplanting	20	20	20
20 days after transplanting	20	00	00
Before Flowering	20	20	00
After first picking	20	00	20
Total	80	40	40

Irrigation: Depending on soil and weather conditions, the frequency varies from 4 to 6 days.

PLANT PROTECTION MEASURES :

Damping off : Drench nursery beds with copper oxychloride / or captan (2gm / lit)

Anthraxnose and Cercospora leaf spot : Spray carbendazim or thiophanate methyl (1 gm / lit) or moncozeb (2gm / lit)

Powdery Mildew: Spray wettable sulphur (2g / lit) or dinocap (0.5ml / lit)

Aphids: Spray monocrotophos / phosphomidon / dimethoate (1.5ml / lit)

Mites: Spray dicofol (2ml / lit) or wettable sulphur (2g / lit)

Thrips : Spray monocrotophos (1.5ml / lit) or cypermethrin (1 ml / lit)

Frut border : Spray endosulfan (2ml / lit) or cypermethrin (1ml /lit)

Leaf Curl and Mosaic : Spray systemic insecticides such as monocrotophos / phosphomidon / dimethoate (1.5 ml /lit) at regular intervals to control vectors.

CAPSICUM SUVARANA



PACKAGE OF PRACTICES FOR HYBRID GOURDS

Sowing Period : Kharif : June – July

Summer : January – February

Seed Rate / acre & Spacing (cm)

Crop	Seed Rate	Row to Row	Plant to plant
Bottle gourd	500g - 1kg	150 - 180	60
Bitter gourd	1 kg - 1.5kg	150 - 180	60
Sponge gourd	600g - 700g	150 - 180	60
Ridge gourd	600g - 750g	150 - 180	60
Ash gourd	750g - 1kg	240 - 300	90
Pumpkin	750g - 1kg	240 - 300	90

Soil and Climate : Although gourds can grow in a wide range of soils, but loam, sandy loam or clay soils are ideal for their cultivation. Warm weather and abundant sunshine promote good growth of vines. Whereas low temperature slow down the growth of vines.

Manures and Fertilisers : Farm Yard Manure : 10 – 15 mt / acre

Stage	N	P	K
Land Preparation	30	40	20
20 days after transplanting	20	00	00
Before Flowering	10	00	20
After first picking	20	00	00
Total	80	40	40

Apply the entire quantity of F.Y.M. phosphorus and potash and half the recommended dose of nitrogen at the time of final land preparation, Balance quantity of nitrogen should be applied in three to four split doses at monthly intervals as top dressing.

Irrigation : Depending on the weather and soil moisture irrigate the fields once in 4 to 6 days.

PLANT PROTECTION SCHEDULE (Days after sowing) :

- 10 - Carbaryl (3g/lit)
- 20 - Monocrotophos (2m/lit) + Carbondazim (2g/lit)
- 30 - Chlorothalanil (2g/lit) + Abamectin (0.25ml/lit)
- 40 - Metalaxyl (2g/lit)
- 50 - Triadimefon (0.5g/lit) + Quinalphos (2ml/lit)
- 60 - Mancozeb (2g/lit) + Copperoxychloride (3g/lit)



Note: For more effective control of pests, Use of neem seed kernel extract / oil is advised.

Season : Round the year
Seed Rate : 120 – 125g per acre

Spacing:

Spacing	Early-Medium, Early Group	Medium-Late Group
Row to Row	45 cm	60 cm
Plant to Plant	25-30 cm	40 to 45 cm

Water Requirement : Irrigate once in 4-5 days depending on the weather and soil conditions.

Manures and Fertilisers : Farm Yard Manure : 10 -15 tons / acre (apply Boron as basal dose.)

Stage	N	P	K
Before Transplanting	40	50	20
15 days after transplanting	20	00	20
30 days after transplanting	20	00	20
Total	80	50	60

PLANT PROTECTION MEASURES:

Damping Off : Drench nursery beds with copper oxychloride or captan or chlorothalanil or metalaxyl mancozeb (2gm / lit)

Downy Mildew : Spray copper oxychloride or mancozeb (2g / lit) or metalaxyl mancozeb (1gm /lit).

Alternaria blight : Spray mancozeb or copper oxychloride (2g / lit)

Black rot : Treat seeds before sowing in 1000 ppm (1gm /lit) of Streptoclyline for 30 minutes.

Fruit Borer: Quinalphos (2ml / lit) Methomyl (1.5g /lit) Indoxacarb (1.5ml/lit)

Boron Deficienty : Apply Borax @ 6-8 kg per acre before planting.



Note: For more effective control of pests, use of neem seed kernel extract / oil is advised.

Soil and Climate: Brinjal can grow in different soil types rich in organic matter. Extreme heat results in poor crop growth and poor fruit set.

Sowing Period : Kharif : June to September
Rabi: November to January

Seed Rate : 50 – 60 gm / ac

Spacing : Row to row : 80 – 90 cm

Plant to plant : 50 -60 cm

Manures and Fertilisers : Farm Yard Manure : 10 – 20 tons / ac



Stage	N	P	K
Before Transplanting	40	50	25
20 days after transplanting	20	00	00
Before Flowering	20	00	25
After first picking	20	00	00
Total	100	50	50

In addition to above, application 300 – 500 kg / ac of neem, pongamia or castor cake helps in the management of root knot nematode. F.Y.M Phosphorus and Potash and half the recommended does of nitrogen are applied at the time of final land preparation. Balance quantity of nitrogen is applied in two to three split doses as top dressing.

Irrigation : Depending on soil and weather conditions, irrigate the fields once in 4-5 days.

PLANT PROTECTION MEASURES :

Damping off : Drench nursery beds with copper oxychloride / chlorothalnil / metalaxyl mancozeb (2gm / lit)

Powdery Mildew : Spray wettable sulphur (2g / Lit) or tridemorph (1ml / lit) or dinocap (2ml /lit).

Phomopsis fruit rot : Spray carbendazim / thiophanate methyl (1g / lit) or mancozeb (2g /lit)

Cercospora leaf spot: Spray mancozeb (2g / lit) or carbendazim / thiophanate methyl (1gm /lit)

Bacterial Wilt : Follow crop rotation grow resistant hybrids such as Green long.

Shoot and Fruit Bores: Prune drooping shoots. Spray cypermethrin (1 ml /lit) or monocrotophos (1.5ml / lit)

Ash weevil: Drench with cypermethrin or monocrotophos or deltamethrin (2ml /lit) on 10th and 30th day of planting by making 6” deep holes around plant base.

Aphids and sucking pests : Spray monocrotophos or deltamethrin (2ml /lit) or imidacloprid (0.5ml/lit)

Epilachna beetle : Spray carbaryl (4g / lit) or quinolphos (2ml / lit)

Mites: Spray dicofol (2ml /lit) or monocrotophos (1.5ml / lit)

Root knot nematodes : Apply nonedible oil cakes such as castor/pongamia/neem @ 750-1000 kg/ha or carboforan (30 kg /ha) or phorate (10 kg /ha) to the soil before transplanting seedlings.

Note: For more effective control of pests, use of neem seed kernel extract / oil is advised.

PACKAGE OF PRACTICES FOR HYBRID BHENDI (OKRA)

Season : Kharif : June to July

Summer : January to March

Seed Rate : 2.5 – 3kg per acre

Spacing : 2ft x 1 ft

Water Requirement : Irrigate once in 4-5 days depending on the weather and soil conditions.

Manures and Fertilisers: Farm Yard Manure : 10 – 15 tons / acre

Stage	N	P	K
Land Preparation	20	20	15
20 days after transplanting	10	00	10
Before Flowering	15	00	15
After first picking	00	00	10
Total	45	20	50

Apply the entire quantity of F.Y.M phosphorus and potash half of the recommended dose of nitrogen at the time of final land preparation. Balance quantity of nitrogen should be applied in two split doses after 25 and 50 days of Sowing.

PLANT PROTECTION MEASURES :

Powdery Mildew : Spray wettable sulphur (2g /lit) or dinocap or tridemorph (1ml /lit) or hexaconazole (1gm /lit)

Leaf Spots : Spray metalaxyl (2g / lit) or carbendazim (2gm / lit)

Aphids, Jassids and other sucking pests : Apply phorate or carbofuran @ 6kg / acre at the time of final land preparation. Spray monocrotophos or dimethode (1.5ml/lit) or imidacloprid (0.5ml /lit)

Fruit borer : Spray quinolphos or endosulfan (2ml /lit) or carbaryl (4g / lit)



F1 HYBHENDI ANNA – 10

Note : For more effective control of pests, use of neem seed kernel extract / oil is advised.

Season : Southern India and Plains : August to November
Northern India : November to February

Seed Rate : 250g – 300g per acre (Big fruited varieties)
100 – 125g per acre (Ice box type varieties)

Spacing:

Spacing	Single Row	Double Row
Row to Row	150cm	300cm
Plant to Plant	30cm	60 cm

Water Requirement : Irrigate once in 4-5 days depending on the weather and soil moisture conditions.

Manures and Fertilisers: Farm Yard Manure : 10 – 15 tons /acre

Stages	N	P	K
Before Planting	20	20	20
3 rd Leaf stage	10	00	10
Before Flowering	10	00	20
Total	40	20	50

Apply entire quantity of FYM, phosphorous and potash and one third the recommended dose of nitrogen before sowing. Balance quantity of nitrogen in two split doses has to be applied after one month of sowing and at the time of flower initiation.

PLANT PROTECTION MEASURES :

Downy Mildew : Spray mancozeb (2gm / lit) or metalaxyl mancozeb (2gm /lit).

Powdery Mildew : Spray dinocopy or tridomorph (0.5 to 1.0 ml / lit) or hexaconazole (1.5ml / lit).

Anthracoese : Spray carbendazim (1gm /lit) or mancozeb (2gm /lit).

Red Pumpkin Beetle: SprayCarbartk (3g ./ lit) or quinolphos (2ml / lit) or endosulfan (2ml / lit).

Thrips and Sucking Pests: Spray monocrotophos or dimetheoate (2ml /lit)

Leaf Miner : Spray triazophos (1.5ml / lit) or neem based pesticides (3-4ml /lit).

Water Melon-Amrutha



Note : For more effective control of pests, use of neem seed kernel extract / oil is advised.



ASH GOURD-ATHIRA

1. Ash Gourd-Athira

Big segment. 15-20kg each fruit weight. Seed rate 1kg per acre. Days to Harvest 105 days after sowing. 12 seeds each gram Approx.



Amaranthus Red

2. Amaranthus-Dantu Red

Stem is Red. Leaves are Green with Red shade. Can harvest 3 times. 2550 seeds each gram Approx.



MENTHE

3. Amaranthus-Menthe

Days to Harvest 40 days after sowing. Multi cutting to three times. 130 seeds each gram Approx.



SABSIGE

4. Amaranthus-Sabsige

Days to Harvest 45 days after sowing. Can take 2 cutting. 685 seeds each gram Approx.



CHILKARVE

5. Amaranthus-Red Chilkarve

Red Leafy Segment. Erect plants with red stem and foliage. Days to Harvest 40 to 50 days after sowing. 2500 seeds each gram Approx.



AMARANTHUS-GREEN

6. Amaranthus-Green Chilkarve

Green Leafy Segment. Erect plants with red steam and foliage. Days to Harvest 40 to 50 days after sowing. 2500 seeds each gram Approx.



KOYHARIVE

7. Amaranthus-Koyharive

Multi-cut variety plants are two feet tall. Days to harvest 50 days after sowing. 2000 seeds each gram.



CHAKOTHA

8. Amaranthus-Chakotha

Days to Harvest 50 days after sowing can take two cuttings. 1005 seeds each gram Approx.



Amaranthus-Pondi Red

9. Amaranthus-Pondi Red

GongaramLeafy vegetable. Days to Harvest 50 days after sowing.



Ruby Queen (Imp)

10. Beet Root-Ruby Queen (Imp)

Early Segment. 400g each fruit weight. Seed rate 1kg per acre. Days to Harvest 65 days after sowing. 86 seeds each gram Approx.



RUBY QUEEN (IND)

11. Beet Root-Ruby Queen (Ind)

Early Segment. 400g each fruit weight. Seed rate 2kg per acre. Days to Harvest 70 days after sowing. 5% oblong roots are found. 84 seeds each gram Approx.



LEELA

12. Beet Root-Leela (Imp)

Research Segment. Field holding 20 days. Weight 250-300g. 1kg per acre. Days to Harvest 65 days after sowing. 88 seeds each gram Approx.



**BOTTLE GOURD
PSPL**

13. Bottle Gourd-PSPL

Early Segment. 30-35cm long. Green color. Uniform cylindrical. Seed rate 500g per acre. Days to Harvest 70 days after sowing. 10 seed each gram Approx.



ARKA ANAMIKA

14. Bhendi-Arka Anamika

Bush Segment. 18cm fruit length. Season summer and Rainy. Seed rate 1 kg per acre. Days to Harvest 60 days after sowing. 26 seeds each gram Approx.



BHENDI-SUVARNA (SUVARNA 55)

15. Bhendi-Suvarna Research 55

Bush Segment. 18cm fruit length. Season summer and Rainy. Seed rate 1 kg per acre. Days to Harvest 65 days after sowing. 26 seeds each gram Approx.



RESEARCH 75

16. Bhendi-Suvarna Research 75

Bush Segment. 18cm fruit length. Season summer and Rainy. Seed rate 1 kg per acre. Days to Harvest 65 days after sowing. 26 seeds each gram Approx.



GREEN LONG

17. Bitter Gourd-Green long

Pole Segment. 18-20 cm long fruits. Dark green color. Seed rate 1 kg per acre. Days to Harvest 65 days after sowing. 7 seeds each gram Approx.



BITTER GOURD-WHITE LONG

18. Bitter Gourd-White long

Pole Segment. 22 cm white color fruits. Season summer and Rainy. Seed rate 1 kg / acre. Days to Harvest 65 days after sowing. 10 seeds each gram Approx.



19. Brinjal – Pusa Purple Round
Bush Segment. 150g fruit weight.
Season winter and summer. Seed
rate 200g per acre. 380 seeds each
gram Approx.



Brinjal – Pusa Purple Long

20. Brinjal – Pusa Purple Long
Bush Segment. 100g fruit weight.
Season winter and summer. Seed
rate 200g per acre. Days to Harvest
75 days after planting. 400 seeds
each gram Approx.



Brinjal-BR112

21. Brinjal-BR112
Bush Segment. 150g fruit weight.
Season winter and summer. Seed
rate 100g per acre. 420 seeds each
gram Approx.



GREEN LONG

22. Brinjal-Green long
Bush Segment. 100g fruit weight.
Season winter and summer. Seed
rate 100g per acre. Days to
Harvest 65 days after planting.
450 seeds each gram Approx.



MANJARI GOTA

23. Brinjal-Manjari Gota
Calyx full of thorn. Purple color fruit
with white streak. 430 seeds each
gram Approx.



BRINJAL - CVK

24. Brinjal - CVK
Bush Segment. 90g fruit weight.
Season winter and summer. Seed
rate 100g per acre. Days to Harvest
65 days after planting. 440 seeds
each gram Approx.



BRINJAL-GREEN ROUND

25. Brinjal-Green Round
Bush Segment. 100g fruit weight.
Season winter and summer. Seed
rate 100g per acre. Days to Harvest
75 days after planting. 470 seeds
each gram Approx.



BRAHMA

26. Beans-Brahma
Early Segment. String less beans round
shape light green color. Thick flesh.
Length of pod 12-14 cm and average yield
90-100 pods per plant. Brown color
seeds. Season rain and inter. Seed rate
10kg/acre. Days to Harvest 50 days after
Sowing. 8 seeds each gram Approx.



SELECTION - 9

27. Beans-S9
Early Segment. String less beans round
shape light green color. Thick flesh.
Length of pod 12-14 cm and average yield
90-100 pods per plant. Brown color
seeds. Season rain and winter. Seed rate
10kg/acre. Days to Harvest 50 days after
Sowing. 30 beans per plant. 4 seeds
each gram Approx.



NUPUR

28. Beans-Nupur

Early Segment. String less beans round shape light green color, thick flesh. Length of pod 12-14 cm and average yield 90-100 pods per plant. White color seeds. Season rain and winter. Seed rate 10kg/acre. Days to Harvest 50 days after Sowing. 8 seeds each gram Approx.



TOHFA

29. Beans-Thofa

Medium, Early Segment. String less beans round shape green color. Thick flesh. Length of pod 12-16cm and average yield 90-120 pods per plant. Small seeds of white color. Season rain and winter. Seed rate 10kg/acre. Days to Harvest 52 days after sowing. 6 seeds each gram Approx.



**NIKHUNJ
POLE BEANS**

30. Beans-Pole Nikhunj

Early Segment. String less beans round shape green color. Thick flesh. Length of pod 12-14 cm and average yield 150 pods per plant. Small seeds of white color. Season rain and winter. Seed rate 5 kg /acre. Days to Harvest 55 days after sowing. 8 seeds each gram Approx.



**GENIUS
POLE BEANS**

31. Beans-Pole Genius

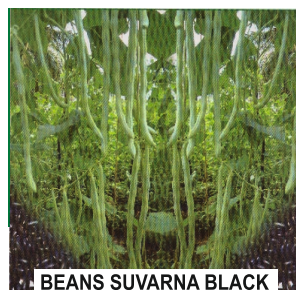
Medium, Early Segment. String less beans round shape light green color, thick flesh. Length of pod 18-20 cm and average yield 200 pods per plant. Small seeds of white color. Season rain and winter. Seed rate 5 kg/acre. Days to Harvest 60 days after sowing. 8 seeds each gram Approx.



POLE SUVARNA KLASS

32. Beans-Pole Suvarna Klass

Medium, Early Segment. String less beans round shape green color, thick flesh. Length of pod 14-16 cm and average yield 175 pods per plant. Small seeds of white color. Season rain and winter. Seed rate 5 kg/acre. Days to Harvest 57 days after sowing. 9 seeds each gram Approx.



BEANS SUVARNA BLACK

33. Beans-Suvarna 2

(Black seeds)Medium, Early Segment. String less beans round shape green color, thick flesh. Length of pod 14-16 cm and average yield 175 pods per plant. Small seeds of black color. Season rain and winter. Seed rate 5 kg/acre. Days to Harvest 57 days after sowing. 8 seeds each gram Approx.



RANI (CYLONE)

34. Beans-Rani Cylone

Early Segment. String less beans round shape light green color. Thick flesh. Length of pod 12-14 cm and average yield 90-100 pods per plant. Brown color seeds. Season rain and winter. Seed rate 10kg/acre. Days to Harvest 50 days after Sowing. 30 beans per plant. 4 seeds each gram Approx.



YARDLONG PARROT

35. Beans-Yard Long Parrot (Light Green)

Pole Segment. 2-2.5 feet long fruits. Light green color. Seed rate 5kg per acre. Days to Harvest 75 days after sowing. 5 seeds each gram Approx.



YLB GREEN

36. Beans-Yard Long Dark Green

Pole Segment. 2-2.5 feet long fruits. Dark green color. Seed rate 5kg per acre. Days to Harvest 75 days after sowing. 8 seeds each gram Approx.



37. Beans-Sumalatha-Pole Beans
Medium, Early Segment. String less beans round shape green color. Thick flesh. Length of pod 12-16cm and average yield 90-120 pods per plant. Small seeds of white color. Season rain and winter. Seed rate 10kg/acre. Days to Harvest 52 days after sowing. Yields 160 pods. 8 seeds each gram Approx.



38. Cow pea -Gomathi
Bush Segment. Light Green in color. Fruit Length, 18-20cm. Seed rate 10kg per acre. 23 seeds each gram Approx.



39. Cow pea-Pusa Komal
Bush Segment. Light Green in color, Fruit Length 18-20cm. Seed rate 10kg per acre. Days to Harvest 75 days after sowing. 20 seeds each gram Approx.



40 Cow pea-Kasi Kanchan
Bush Segment. Dark Green in color. Fruit Length 18-20cm, Seed rate 10kg per acre. Days to Harvest 75 days after sowing. 20 seeds each gram Approx.



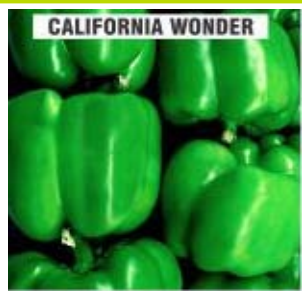
41. Carrot-New Kuroda (Imp)
Early Segment. 18-20cm long. Seed rate 500-1kg per acre. Days to Harvest 75 days after sowing. 550 seeds each gram Approx.



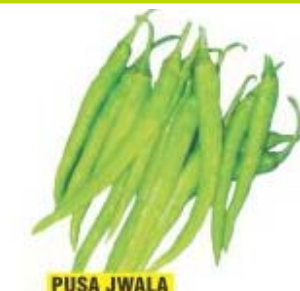
42. Carrot-Early Nantes
Late Segment. Cylindrical shape. Deep orange color. 20-22 cm. Seed rate 1 kg per acre. Days to Harvest 140-150 days after sowing. 522 seeds each gram Approx.



43. Carrot-Pusa Kesar (Desi Kesar)
Tuber Segment. 150-200g Cylindrical long fruits. 24-26cm long fruit. Seed rate 1 kg per acre. Days to Harvest 90 days after planting. 225 seeds each gram Approx.



44. Capsicum California Wonder
Medium Early Segment. 4-3 lobes low pungent. Erect plant heavy bearing. Seed rate 150g per acre. Days to Harvest 75 days after Planting 270 seeds each gram Approx.



45. Chilli-Pusa Jwala
Bush Segment. 14-16cm fruits. Light green color. 100g per acre. Days to Harvest 75 days after planting. 380 seeds each gram Approx.



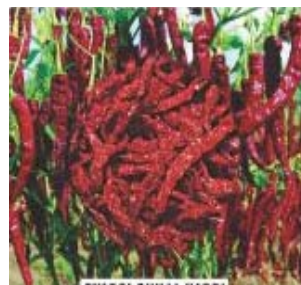
CHILLI G4

46. Chilli-G4
Bush Segment. 12-14cm fruits. Green color. Seed rate 100g per acre. Days to Harvest 75 days after planting. 380 seeds each gram Approx.



PUSA SADA BAHAR

47. Chilli-Pusa Sada Bahar
Bush Segment. 8-10cm fruits. Green color. Seed rate 100g per acre. Days to Harvest 75 days after planting. Upright fruiting. 310 seeds each gram Approx.



BYADGI CHILLI KADDI

48. Chilli-Byadagi Kaddi
OP Segment. Very thin in dia. Very pungent. Wrinkled, deep red in color. Days to Harvest 120 days after sowing. 350 seed each gram.



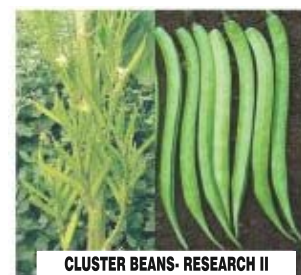
BYADGI CHILLI-DABBI

49. Chilli-Byadagi Dabbi
OP Segment. Thick skin, 1.5cm dia. Deep Red color. Days to Harvest 120 days after sowing. 325 seed each gram.



CLUSTER BEANS-PNB

50. Cluster Beans-PNB
Pusa Nava Bahar 12-14cm fruits. Light green color. Seed rate 3kg per acre. Days to Harvest 50 days after sowing. 28 seeds each gram Approx.



CLUSTER BEANS-RESEARCH II

51. Cluster Beans- Research II
Determinate Segment. 14-16cm long. Light green color. Seed Rate 2kg per acre. Days to Harvest 55 days after planting. 28 seeds each gram Approx.



EMERALD GREEN

52. Cucumber Emerald Green (Dharwad Green)
OP segment. 14-16cm long. 150-200g wt. Seed rate 500g per acre. Days to Harvest 40 days after sowing. 70 seeds each gram Approx.



GREEN LONG

53. Cucumber – Green long
OP segment. 18-20 cm long. 250-300g wt. Seed rate 500g per acre. Days to Harvest 75 days after sowing. 70 seeds each gram Approx.



SAMBAR CUCUMBER

54. Cucumber-Sambar
Squash Segment. 1-1.5kg each fruit weight. Seed rate 500g per acre. Days to Harvest 75 days after sowing. 71 seeds each gram Approx.

CUCUMBER WHITE



55. Cucumber-White long

OP segment. 18-20cm long. 250-300g wt. Seed rate 500g per acre. Days to Harvest 90 days after sowing. 46 seeds each gram Approx.



CORIANDER-PANIPAT

56. Coriander-Panipat

Early Segment. Can be left in the field for long time upto 40 days. Seed rate 15 kg per acre. Days to Harvest 30 days after sowing. 198 seeds each gram Approx.



SOURABHA

57. Coriander-Sourabha

Early Segment. Can be left in the field for long time upto 50 days. Seed rate 15 kg per acre. Days to Harvest 40 days after sowing. 160 seeds each gram Approx.



HEBBAL AVARE 4

58. Dolichos Beans-Hebbal Avare

Bush Segment. 8-10 cm Brown color seeds. Season winter and summer. Seed rate 10 kg/acre. Days to Harvest 75 days after sowing. 8 seeds each gram Approx.



HEBBAL AVARE SANGEETHA (RESEARCH)

59. Dolichos Beans-Research

Sangeetha Bush Segment. 8-10 cm Brown color seeds can be harvested upto 6 months. Seed rate 10kg/acre. Days to Harvest 65 days after sowing. 8 seeds each gram Approx.



DOLICHOS AMOGHA

60. Dolichos Beans-Amogha

Bush Segment. 10-12 cm Brown color seeds. Season winter and summer. Seed rate 10kg/acre. Days to Harvest 75 days after sowing. 4 seeds each gram Approx.



DOLICHOS SAMRAT

61. Dolichos Beans-Samrat

Bush Segment. 10-12cm Brown color seeds. Season winter and summer. Seed rate 10kg/acre. Days to Harvest 75 days after planting. 5 seeds each gram Approx.

NEW POLE DOLICHOS



62. Dolichos Beans

Pole Dolichos (NEW) Pole
Segment Flat Beans. Days to Harvest 60 days from sowing. First harvest continuous yield, can be harvested for long period. 4 seeds each gram Approx.



DRUM STICK

63. Drum Stick-PKM-1

Early Segment. Cut top of the main shoot after 60 days. 1.5-2 feet long. High yielder. 1kg per acre. Days to Harvest 6 months After Planting. 5 seeds each gram Approx.

KNOL KHOL-EWV(IMP)



64. Knol Khol-EWV(imp)

Early Segment. Less leaves. Globe shape, high yielding, no waster. Days to Harvest 50 days after sowing. 365 seeds each gram Approx.

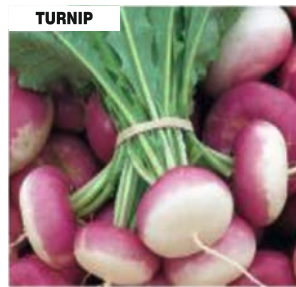
KNOL KHOL-EWV



65. Knol Khol-E.W.V

Early Segment. 500g each fruit weight. Seed rate 1 kg per acre. Days to Harvest 55 days after sowing. 360 seed each gram Approx.

TURNIP



66. Turnip

Early Segment. Smooth round roots. Purple at top and white below. Days to Harvest 60-65 days after planting. 560 seeds each gram Approx.



RESEARCH SUVARNA YELLOW

67. Marigold-Suvarna yellow

Days to Harvest 75 days after planting. 100 gm seeds per acre. 325 seeds each gram Approx.



RESEARCH SUVARNA ORANGE

68. Marigold-Suvarna Orange

Days to Harvest 75 days after planting. 100 gm seeds per acre. 325 seeds each gram Approx.

MARIGOLD-CHINTAMANI



69. Marigold-Chintamani

Small flower segment. Dark red small flowers. September – October sowing. Days to Harvest 90-120 days after sowing. 350 seeds each gram Approx.



ONION SHAMBU RED

70. Onion-Shambu Red

Oblong Segment. Crispy deep red color. 150gm fruit. Seed rate 2kg per acre. Days to Harvest 90 days after sowing. 397 seeds each gram Approx.



NASIK RED (N-53)

71. Onion-Nasik Red(N-53)

Tuber Segment. 150g each fruit weight. Dark red in color. Seed rate 2kg per acre. Days to Harvest 105 days after sowing. 340 seeds each gram Approx.



PUSA RED

72. Onion-Pusa Red (Light Red)

Tuber Segment. 150g each fruit weight. Light red in color. Seed rate 2kg per acre. Days to Harvest 105 days after Sowing. 397 seeds each gram Approx.



SUVARNA ONION-PURASANGI

73. Onion-Purasangi

Oblong Segment. Crispy deep red flush. TSS 17% Seed rate 2-3kg per acre. Days to harvest 65 days after sowing. 397 seeds each gram Approx.



DARK RED SARATHI

74. Onion-Dark Red Sarathi

Medium Early Segment. Weight 150g. Disease free white core. Seed rate 2kg per acre. Days to Harvest 90 days after Planting. 397 seeds each gram Approx.



ALL GREEN

75. Palak-All Green

Multi cutting Segment. Multi cutting variety with good cooking flavours can be sown all round the year. Days to Harvest 40 days after sowing. 80 seeds each gram Approx.



PUMPKIN BIG

76. Pumpkin - Big

Large size segment. Green to golden on maturity. 15-20kg each fruit weight. Seed rate 1kg per acre. Days to harvest 105 days after sowing. 9 seeds each gram Approx.



SURYAMUKHI

77. Pumpkin-Suryamukhi

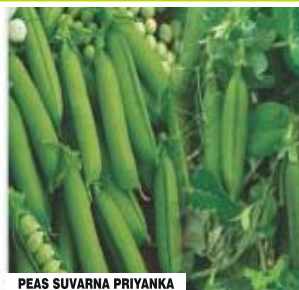
Small size Segment. Orange on maturity. 1-1.5kg each fruit weight. Seed rate 1kg per acre. Days to harvest 90 days after sowing. 20 seeds each gram Approx.



PEAS-ARUNA-10

78. Peas-Aruna-10

Bush Segment. 10-12 cm Green color seeds. Season winter and Rainy. Seed rate 20 kg/acre. Days to Harvest 70 days after sowing. 17 seeds each gram Approx. 6 seeds each gram Approx.



PEAS SUVARNA PRIYANKA

79. Peas -Suvarna -Priyanka

Early Maturity. Vigorous growing plants with good branching habit. Pods attractive green 9-10cm with 9-10 peas per pod. Days to Harvest 65 days After Sowing. 6 seeds each gram Approx.



PEAS-ARKAL

80. Peas-Arkal

Bush Segment. 8-10 cm Green color seeds. Season winter and Rainy. Seed rate 10 kg/acre. Days to Harvest 40 days after Sowing. 6 seeds each gram Approx.



PEAS AZAD P1

81. Peas-Azad P-1

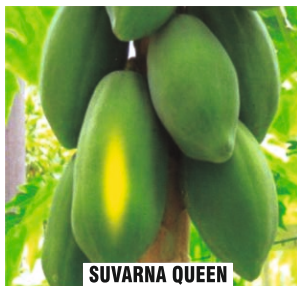
Bush Segment. 12-14 cm Green color seeds. Season winter and Rainy. Seed rate 10 kg/acre. Days to Harvest 70 days after Sowing. 6 seeds each gram Approx.



PEAS BONNE VILLE

82. Peas-Bonneville

Bush Segment. 10-12 cm Green color seeds. Season winter and Rainy. Seed rate 10 kg/acre. Days to Harvest 65 days after sowing.



SUVARNA QUEEN

83. Papaya-Suvarna Queen

Pereniel Segment. Planting after 45 days. 1-1.5kg round-oblong fruits. TSS 14%. Seed rate 100g per acre. 10% male plants are to be removed leaving 1 plant per row. Days to Harvest 9 months after planting. 60 seeds each gram Approx.



MOHINI

84. Papaya-Mohini

Early Segment. Fruit weight 2-2.5kg. TSS 15%. Plant after 60 days. 30g per acre. Days to Harvest 7 months after planting. 5% male plants are to be removed leaving 1 plant per row. 60 seeds each gram Approx.



PUSHA CHETKI

85. Radish-Pusa Chetki

Early Segment. 16-20 cm long. 150-200g wt. Seed rate 2kg per acre. Days to Harvest 45 days after sowing. 105 seeds each gram Approx.



RADISH PUSA CHETKI SHORT

86. Radish-Pusa Chetki short

150g weight. Seed rate 2 kg per acre. Days to Harvest 40 days from sowing. 110 seeds each gram.



RADISH LONG SUMEGA

87. Radish-Mino Early Sumega

Long variety. 30 cm long. 200-250 gm wt. Can be grown all round the year. 110 seeds each gram Approx.



SUVARNA WHITE LONG

88. Radish-Suvarna White Long

Long variety. 30 cm long. 200-250 gm wt. Can be grown all round the year. 110 seeds each gram Approx.



RADISH SUVARNA PINK

89. Radish-Suvarna Pink Sandhya

Early Segment. 12-15cm long with red surface skin. Season rainy and summer. Seed rate 500g per acre. 170 seeds each gram Approx.



THOGARE BRG 1

90. Red Gram BRG1 (Thogare)

Bush Segment. 10-12 cm Brown dotted color seeds. Season winter and summer. Seed rate 10 kg/acre. Days to Harvest 130 days after sowing. 6 seeds each gram Approx.



THOGARE BRG 2

91. Red Gram BRG2

Bush Segment. 10-12 cm White color seeds. Season winter and summer. Seed rate 10 kg/acre. Days to Harvest 140 days after sowing. 8 seeds each gram Approx.



THOGARE BRG 5

92. Red Gram BRG5

Bush Segment. 10-12 cm White color seeds. Season winter and summer. Seed rate 10 kg/acre. Days to Harvest 140 days after sowing. 6 seeds each gram Approx. 16 seeds each gram Approx.



J A I P U R L O N G

93. Ridge Gourd-Jaipur Long

Pole Segment. One feet long fruits. Light green color. Seed rate 1kg per acre. Days to Harvest 60 days after sowing. 15 seeds each gram Approx.



SNAKE GOURD - LONG

94. Snake Gourd - Long

Pole Segment. 3-4ft. fruit length. Season rainy and summer. Seed rate 500g per acre. Days to Harvest 75 days after planting. 11 seeds each gram Approx.



SNAKE GOURD SHORT

95. Snake Gourd - Short

Pole Segment. White green color fruits. Fruit length 45-50cm. Seed rate 500g per acre. Days to Harvest 75 days after sowing. 10 seeds each gram Approx.



SNAKE GOURD

96. Snake Gourd-Extra long

Pole Segment. 3-4ft. fruit length. Season rainy and summer. Seed rate 500g per acre. Days to Harvest 75 days after sowing.



SPONGE GOURD-DARK GREEN

97. Sponge Gourd-Dark Green

Early segment. 150g each fruit weight. Dark Green in color. Seed rate 500g per acre. Days to harvest 60 days after sowing. 16 seeds each gram Approx.



SPONGE GOURD LIGHT GREEN

98. Sponge Gourd-Light Green

Early segment. 150g each fruit weight. Light Green in color. Seed rate 500g per acre. Days to harvest 60 days after sowing. 18 seeds each gram Approx.



TOMATO S22

99. Tomato-Selection 22

Determinate Segment. Bushy plant. 70-80g oblate fruits. 3ft tall each plant yield 2-3 kg fruits. 100 g per acre. Days to Harvest 65 days after planting. 370 seeds each gram Approx.



100. Tomato-Pusa Ruby
Very Good for Winter. Determinate, oblate round 70-80 gm fruits. Seed rate 100 gm per acre. Days to Harvest 65 days after planting. 385 seeds each gram Approx.



101. Tomato-K-21
Determinate Segment. Bushy plant 80-90g round fruits. 3ft tall each plant yield 2-3kg fruits. 100g per acre. 370 seeds each gram Approx.



102. Tomato-PUSH EARLY DWARF
Determinate Segment. Bushy plant 80-90g round fruits. 3ft tall each plant yield 2-3kg fruits. 100g per acre. 370 seeds each gram Approx.



103. Tomato-PKM-1
Very Good for Winter. Determinate, oblate round Green shoulder 60-70 gm fruits. Seed rate 100 g / acre. Days to Harvest 65 days after planting. 350 seeds each gram Approx.



104. Tomato-Priya
Determinate Segment. Bushy plant 80-90g round fruits. 3 ft tall each plant yield 3-4 kg fruits. 100g per acre. Days to Harvest 65 days after planting. 400 seeds each gram Approx.



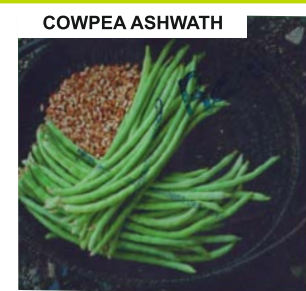
105. Tomato-Suvarna Navodhaya
Determinate Segment. Bushy plant 80-90g round fruits. 3ft tall each plant yield 2-3 kg fruits. 100g per acre. Days to Harvest 65 days after planting. 445 seeds each gram Approx.



106. Tinda
Early Segment. Plant type. Determinate. 60-80gm. Color Light green. Days to Harvest 45-50 days after planting. 17 seeds each gram Approx.



107. Cowpea Sita
Bush Segment. Dark purple color fruit. Round shape. 16 to 18 cm long. Dotted seeds. Seed rate 10 kg per acre. 75 days after sowing. 22 seeds each gram approx.



108. Cowpea Ashwath
Bush Segment. Light green color fruit. 22 to 25 cm long. Seed rate 10 kg per acre. 75 days after sowing. 21 seeds each gram approx.



COWPEA C-152

109. Cowpea C - 152

Bush Segment. Green color fruit. 20-22 cm long. Seed rate 10 kg per acre. 75 days after sowing. 20 seeds each gram approx.

BOTTLEGOURD ROUND



110. Bottlegourd Round

Light Green color. Fruits are smooth elongated bulb type. Fruit weight 1.2kg to 1.3 kg. 60 days after TPL.



WAXGOURD SURESH

111. Waxgourd Suresh

Early Segment. 30-35cm long. Green color. Uniform cylindrical. Days to Harvest 70 days after sowing.



LUCERENE GRASS

112. Lucerene Grass

Small round Green leaf (Menthye type). Yellowish long thread (Hair) in the centre of Branches. Fodder crop. Maturity from the date of sowing 60-65 days.



AFRICAN TALL MAIZE

113. African Tall Maize

1 to 2 fruit per plant. Grains color white. Cob color white. Seed count 550-600 Seed lines 13 to 14 nos. Cob weight 250 to 300 gms. Good vigour. 60 to 65 days after sowing.



Maize Popcorn

114. Maize Popcorn

1 to 2 Cobs per plant. Grain color Orange and very small size. Cob weight 150-200 gms. Seed weight per cob is 50-75 gms. Good Vigour. Days to Harvest 105 days after sowing.



EMERALD GREEN LONG

115. Cucumber Emerald Green Long

Op Segment. 25-30 cm long. 180-230 gm weight. Seed rate 500 gm per acre. Days to Harvest 40 days after sowing. 70 seeds each gram Approx.



CAPSICUM BELL

116. Capsicum Bell

Fruits are very hard and firm with 4 lobes. Erect plant heavy bearing. Seed rate 150gm per acre. Days to harvest 75 days after planting. 270 seeds each gram Approx.

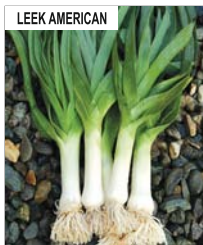
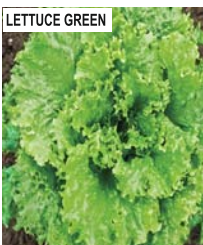


Beans Sutra

117. Beans Sutra

Early Segment. Mainly used for edible seeds. String less beans round shape. Pink white color. Length of pod 12-14 cm and average yield. Thick flesh. 90-100 pods per plant. Season rain and winter. Seed rate 10 kg / acre. Days to Harvest 50 days after sowing. 4 seeds each gram Approx.

New Introduction



New Introduction



COREOPSIS TALL YELLOW FLOWER



CALENDULA FIESTA-GITANA MIX FLOWER



PAPAVER NUDICAUL MIX



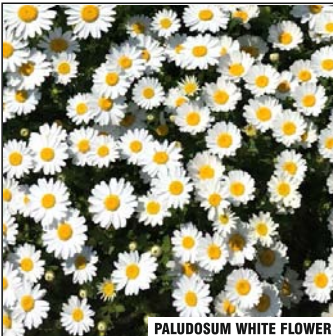
DIANTHUS DOUBLE MIX



SALVIA BLUE FLOWER



Phlox Drummundi Mix



PALUDOSUM WHITE FLOWER



COSMOS ORANGE



COSMOS YELLOW



CRYZANTHEMUM YELLO



CYNOGLOSS BLUE



CYNOGLOSS WHITE

RESEARCH & DEVELOPMENT FIELD DEMONSTRATION PHOTOS

BEETROOT F1 - RED ALL



RESEARCH & DEVELOPMENT FIELD DEMONSTRATION PHOTOS

RIDGE GOURD - SONAL



RIDGE GOURD - F1 ARYA



THOGARE (RED GRAM)



RESEARCH & DEVELOPMENT FIELD DEMONSTRATION PHOTOS

CUCUMBER SHANTHI



BRINJAL SARALA

CUCUMBER SANJIVINI



SNAKE GOURD SHESHADRI



RESEARCH & DEVELOPMENT FIELD DEMONSTRATION PHOTOS

RESEARCH SUVARNA YELLOW



RESEARCH SUVARNA ORANGE



BITTER GOURD SOWMYA



BOTTLE GOURD ARJUNA



RESEARCH & DEVELOPMENT FIELD DEMONSTRATION PHOTOS

PUMPKIN F1 KSHYAP



PUMPKIN F1 SURYA

