



FACULTY OF AGRICULTURAL SCIENCES AND ALLIED INDUSTRIES

MINOR VEGETABLE CROPS

| Name of the crop | Varieties | Method of propagation | Spacing | Manures and Fertilizers | After cultivation including special practices | Cropping and harvest | Yield |
|--|--|---|-----------------|--|---|--|--|
| Asparagus (<i>Asparagus officinalis</i> var. <i>altilis</i>) | Marth Washington, Mary Washington | Seeds and Crowns | 30 x 30 cm | Basal: N 50 kg, P 10 kg and K 75 kg/ha | - | Harvest from third year of planting | 1250 - 3750 kg/ha |
| Basella (Green : <i>Basella alba</i>) (Pink: <i>Basella rubra</i>) | - | Stem cuttings and seeds | 2 x 2 m in pits | 10 kg FYM per pit | Train the vines on trellis or pandals | Harvest 2 months after planting throughout the year | 4000 - 6000 kg/ha |
| Bread fruit (<i>Artocarpus altilis</i>) | Seedless and seeded types | Root cuttings/air layering of root suckers/seedling | 12 x 12 m | - | - | First harvest 5 to 6 years after planting. February - March, June - August | 300 - 500 fruits/tree |
| Brussels sprout (<i>Brassica oleracea</i> var. <i>Gemmifera</i>) | Jade cross | Seeds 500 g/ha | 60 x 50 cm | - | - | Starts yielding in 6 months; continues for 3 years | 4 - 5 t/ha |
| Butter bean <i>Phaseolus lunatus</i> | KKL-1 | 25 to 35 kg/ha | 35 x 25 cm | FYM 20-30 t/ha 40:50:50 NPK kg/ha | - | 80-85 days | 500 - 1000 kg/ha of grains; 5 – 10 t/ha tender pods. |
| Celery (<i>Apium graveolens</i>) | Standard Bearer, Wright Grove Grant Giant Pascal | Seeds (125 g/ha) | 60 x 15 cm | Top dress: N 140 kg, P 55 kg and K 220 kg/ha | - | Crop duration 4-5 months | 10 t/ha |
| Ceylon spinach (<i>Talinum triangulare</i>) | - | Tender herbaceous stem cuttings | 15 x 15 cm | - | Grows well under shade | Harvest within a month after planting and continues | 4000 - 6000 kg/ha |

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| | | | | | | throughout the year | |
| Chakravathi keerai (<i>Chenopodium album</i>) | Ooty 1 | Seeds (50 kg/ha) | 30 x 15 cm Broadcasting thinning | Basal FYM - 25t/ha NPK -25-25-25 kg/ha Azospirillum & Phosphobacteria 2 kg/ha each | - | 50-60 days harvest once | 30 t/ha herbage |
| Chekurmanis (<i>Sauropus androgynus</i>) | - | Stem cuttings | 45 x 60 cm | 5 - 10 kg FYM/plant | Weeding, pruning once in a year | Yields four months after planting throughout the year | 5 kg leaves/plant |
| Chinese cabbage (<i>Brassica pekinensis</i>) | Chinese cabbage <i>Brassica Campestris</i> S p. <i>Pekinensis</i> Michihili as Veg-I | Seeds (375 g/ha) | 45 x 45 cm | Basal: FYM 10 t/ha, N 90 kg, P 125 kg and K 100 kg/ha. Top: 90 kg/ha | Earthing up 60 days after planting | Crop duration 4 months | 25 - 35 t/ha |
| Coccinia (<i>Coccinia indica</i>) | Padappai | Stem cuttings from pistillate plants | 2 x 2 m | 10 t/ha FYM, 75 kg N, 40 kg P and 75 kg K/ha | Erection of pandal or trellis and training the vines | Yields 6 months after planting and continues throughout the year | 10 - 15 t/ha |
| Knol-khol (<i>Brassica caulorapa</i>) | White Vienna, Purple Vienna | Seed (1.5 kg/ha) | 30 x 25 cm | Basal 30 t/ha Top: 180:120:100 kg NPK/ha | | Crop duration 75 days in main field | 20 - 25 t/ha |
| Lettuce (<i>Lactuca sativa</i>) | Head type, Leaf cos type | Seed (500 g/ha) | 30 x 15 cm | Basal and Top: FYM 30 t/ha, N 50/50 kg/ha, P 30/30 kg/ha and K 30/30 kg/ha | Top dressing 60 days after planting | Crop duration 2 months | 10-15 t/ha |
| Mint (<i>Mentha virides</i>) | - | Cuttings | 15 x 15 cm | - | - | Harvest one month after planting and continues | 2000 kg/ha |

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| | | | | | | through out the year | |
| Palak (<i>Beta vulgaris</i> <i>var. Bengalensis</i>) | Ooty 1 | Seeds 20 - 25 kg/ha | 20 x 10 cm | FYM 25 t/ha, N 60 kg, P 60 kg and K 60 kg/ha | - | First harvest of leaves one month after sowing. Total duration 3 months | 20000 kg/ha |
| Rhubarb (<i>Rheum rhaponticum</i>) | Victoria, Cherry, Mc Donald, Ruby, Valentino & Sunrise | Root cuttings | Between plants 60 - 120 cm; between rows 1-2 m | Fertilizer mixture of 1:1:1 | - | Stalks are harvested 2 years after planting, 5-6 stalks per plant for further growth. Crop duration 5 years | - |
| Turnip (<i>Brassica rapa</i>) | Temperate types: Purple top White Globe Snow Ball Tropical Types: Pusa Chandrima Pusa Sweti Pusa Kanchan | Seed (4 kg/ha) | 30 x 15 cm | Basal: FYM 30 t/ha, N 90 kg, P 125 kg and K 100 kg/ha. Top: N 90 kg/ha | - | Thinning of seedlings | - |
| Winged Bean (<i>Psophocarpus tetragonalobus</i>) | - | Seeds | 1 x 0.5 m | Basal: FYM 10 t/ha, N 40 kg, P 100 kg and K 25 kg/ha | Staking | Duration 10-12 months | 10-12 t/ha |