



Ministry of Agriculture & Fisheries

Crop

Research Unit

- with water.
- Place trays in shade house or a protected area where they will have access to sunlight but be protected from insects.
- Water daily or as needed. Do not over water as seedlings may rot. Adjust watering as the seedlings mature.
- Most seedlings emerge 3-5 days after sowing
- Check seedlings daily for signs of insects or fungi and treat accordingly.
- Use a foliar fertilizer as soon as the first true leaves appear and follow package instructions.
- Most seedlings are ready for transplanting between 3-4 weeks from sowing. Harden off seedlings as they approach this time by reducing water and/or exposing them to external factors.

Crop Research

Our Vision

An agricultural sector in which informed farmers, confident in our services, grow crops that are best suited to their situation, manage pest problems responsibly and enjoy a high level of productivity and profitability as a result.

Research & Development Division

876-983-2842/2267

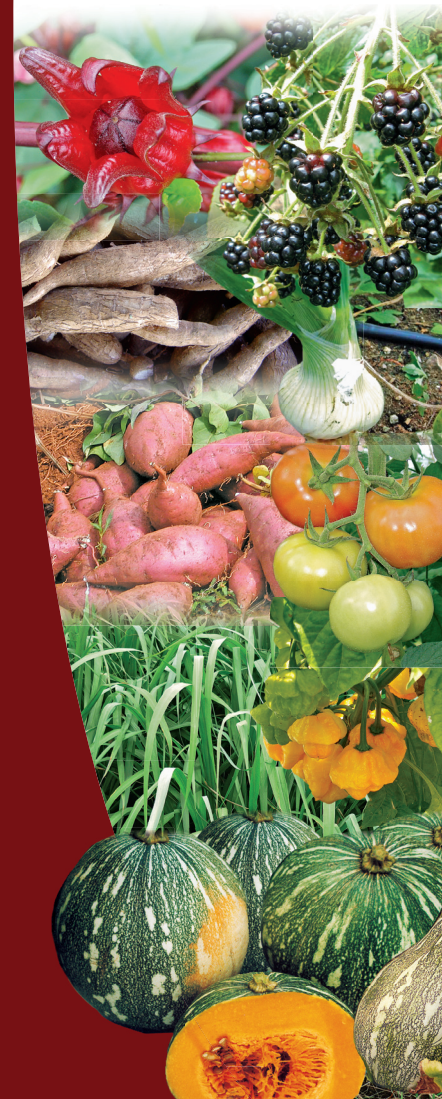
Crop Research Unit

Fax – 983-2822

Bodles Research Station

Old Harbour,

St. Catherine.



CROP PRODUCTION INFORMATION

Snow Peas

- Prepare soil to a fine tilth
- Direct seed at 5cm interval into rows 0.8m apart
- Note emergence 4-5 days after sowing
- Water every other day as needed
- Erect a trellis along rows approximately 2 weeks after emergence
- Use an N-P-K fertilizer with high phosphorous 2-3 weeks and 5-6 weeks after sowing
- Scout for signs of pests and disease. Treat upon advice.
- Immature pods are harvested 7-8 B weeks after sowing at 3-day intervals
- Yields as high as 500kg/ha are possible
- Store pods in a cool place for up to 5 days

Sorrel

- Seed rate: 2-3kg/ha or 2-3lbs/acre
- Planting distance; 0.9m x or 3' x 3'
- Thin out to 2 plants per hill in the 5th week or prior to the first fertilizer application

Fertilizer application:

- 5th week – Urea at 11g per plant
- 8th week – N-P-K 11-22-22 (or similar ratio) at 33g per plant

Expected yield:

- 3580kg/ha or 1480lbs/ac
- 3lbs per plant
- Seed yield – 40kg/ha

Tomato

- Use clean, disease-free seeds
- Sow seeds in seedling trays



- Seedlings usually emerge between 5-14 days after sowing
- Water regularly
- Apply foliar fertilizer at suggested rates after the 1st true leaves appear
- Check daily for signs of insect or fungal damage and treat upon advice
- Harden-off between the 3rd and 4th week after sowing
- Transplant when seedlings are approximately 4 weeks old using 1.2m x 0.6m spacing
- Drip-irrigate daily until established then reduce to every other day or maintain at optimum soil moisture. Reduce watering when fruiting begins
- Stake plants or erect a trellis before the crop begins to flower
- Apply N-P-K fertilizer one week after transplanting then add a Nitrogen rich fertilizer at flowering. Use a Nitrogen and Potassium rich fertilizer at fruiting. Note that fertilizer application should be dependent on soil nutrient analysis
- Scout for signs of pests and disease and treat upon advice
- Harvesting may begin as early as 90 days after planting
- Yields vary with variety

Seedling Production Tips

- Always use disease-free seeds.
- Use sterile trays and potting mix.
- Mix potting mix with water so that mixture is moist and crumbly-not too wet. Fill trays.
- Make a slight indentation in the potting mix in each cell. Place one seed per cell and cover with potting mix. Mist lightly