

# GROWER'S NOTES

BY PAPERPOT CO.



## SALAD TURNIPS

### CROP AND JANG SEEDER DATA:

<b>JANG ROLLER</b>	Y24
<b>JANG GEAR RATIO</b>	14 Front - 10 Rear
<b>JANG BRUSH POSITION</b>	Down
<b>IN ROW SPACING</b>	1"
<b>ROWS PER 100' X 30" BED</b>	6
<b>SEED PER 100' X 30' BED</b>	15 g (+/-)
<b>RECOMMENDED CULTIVARS</b>	Hakurei
<b>DAYS TO MATURITY</b>	35 (+/-) *time from seeding to being ready for harvest
<b>HARVEST WINDOW</b>	14 days (+/-) *time crop is at ideal stage for harvest
<b>TOTAL DAYS IN FIELD</b>	49 (+/-) *DTM + harvest window
<b>TARGET HARVEST SIZE</b>	1.5-2"
<b>HARVEST UNIT</b>	Bunch (8-12 per)
<b>TARGET CROP YIELD</b>	220 bunches (+/-)
<b>PRICE PER UNIT</b>	\$3 *depending on local market pricing
<b>REVENUE PER BED</b>	\$660 *depending on local market pricing

### SUGGESTED TOOLS:

<b>SEEDING</b>	Jang JP-1 or Jang JP-5 Seeder
<b>TILTHING</b>	Power Harrow or Precision Depth Roller (With no tractor: Tither)
<b>AERATION</b>	Meadow Creature Broadfork
<b>BED SHAPING</b>	Bed Preparation Rake
<b>WEED CONTROL</b>	Flame Weeder
<b>CULTIVATION</b>	Flex Tine Weeder, Wheel Hoe w/Bio-Disc Cultivator, or Collinear Hoe

## **BED PREPARATION**

- Broadfork the bed to aerate and loosen the soil.
- Smooth and shape the bed with a bed prep rake, removing any debris.
- If the previous crop was fertilized, salad turnips will do fine without reapplication. If not, here are two options:
  - 1) Layer on 1" of compost, enough to mostly cover the native soil.
  - 2) Sprinkle on a combination of alfalfa meal and/or pelleted chicken manure.
- If layering compost, do not till in hopes of smothering any surface weed seed.
- If adding amendments, till the top 1" of soil to mix in amendments.
- Irrigate for 10-14 days\*, allowing any weed seed in top layer of soil to germinate.
- Flame weed the bed when the cotyledons of the weed seeds have emerged.

## **SEEDING**

- Set up the Jang seeder: Y24 roller, gears 14 front and 10 rear, brush down.
- For the JP1, roll out each of the six rows evenly spaced across the bed.
- For the JP5, only fill hoppers 1, 3, and 5 with seed. The bed can then be seeded in two passes with 6 perfectly spaced rows.

## **IRRIGATION**

- Water the beds with overhead irrigation, or four rows of drip. This will chase away any pre existing flea beetles on the soil.
- After the first watering, IMMEDIATELY cover the beds with floating row cover (or insect netting in the warm season). The cover will only come off for cultivation and harvest times. Weigh down the edges with sand bags every 5 feet. This ensures flea beetles will never have a chance to damage the greens.
- It is important to water throughout hot days during the warm season.

## **CULTIVATION**

- 14 days after direct seeding, cultivate using a flex tine weeder (2 passes per bed).
- Subsequent cultivation should not be needed as canopy of greens should suppress further weed growth.
- Make sure to return row cover immediately after cultivation to keep away pests.

## **HARVEST**

- Salad turnips should be harvested with their tops and bunched in the field.
- Bunches should consist of 8-12 turnips, with a target size of 1.5-2" per turnip.
- Pile the bunches in the paths, and collect all piles in your harvest tote at the end.

## **WASHING AND PACKING**

- Using a Washdown Gun sprayer over a root wash table, spray each bunch while rotating until all soil is thoroughly cleaned off.
- Store salad turnips in a refrigerated space at 35° inside a plastic bag or tote to maintain moisture and crispness until going to market.