

GROWER'S NOTES

BY PAPERPOT CO.



JANG SETTINGS: CARROTS

Jang Seeder	Crop	Roller	Brush	Gear Ratio	Rows/30" Bed	Seed/100' bed
JP5 or JP1	Carrots	X24	Down	14 Front x 10 Rear	6	20 g (+/-)

Recommended Cultivars:

- * Adana, Napoli, Rainbow

Days to Maturity:

- * Baby: 36 days
- * Full Size: 55 Days

Target Crop Yield:

- * 180 bunches per 100' x 30" bed, 8-10 carrots per bunch

Tools Needed:

- * Jang seeder (JP1 or JP5)
- * Broadfork
- * Tilther or Power Harrow
- * Bed prep rake
- * Flame weeder
- * Cultivator (wire weeder hoe, flex tine weeder, or bio-disc cultivator)

1. Bed Preparation:

- * Broadfork the bed to aerate and loosen the soil, ensuring shapely carrots
- * Smooth and shape the bed with a bed prep rake, removing any debris
- * Fertilizer 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 an effort to smother 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
 - * Adding row cover to the beds can encourage weed seed germination
- * Flame weed the bed when the cotyledons of the weed seeds have emerged

2. Seeding:

- * Set up the Jang seeder: X24 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.
- * 6-7 days after seeding (before the carrots have emerged), flame weed the beds again to kill off any weed seed that may have taken longer to germinate.

3. Irrigation:

- * Irrigate regularly to ensure the top layer of the soil never dries out prior to germination (10-14 days)
- * Deep watering will promote good development in early development, though excessive water in later stages can cause root cracking

4. Cultivation:

- * After carrots are 3-4" tall (20-25 days* after the direct seeding date), cultivate with either a wire weeder in between rows, a flex tine weeder, or a bio disc cultivator
- * Remove any larger weeds by hand
- * After that point, a canopy should form and any late weed seed emergence shouldn't be a threat to the crop as it matures

5. Harvest (in warm season):

- * For optimum baby carrot size, sweetness, and tenderness, harvesting can begin at 7 weeks*
- * Crop should be harvested within 2 weeks* after that point, to maintain "baby" characteristics
- * If selling per bunch, bunch carrots (8-10 per bunch) directly after pulling, then stack in to harvest tote
- * If selling per pound, twist off tops in the field and place carrots in harvest tote

6. 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
- * For topless bulk carrots, spray carrots in a perforated harvest container (sliding it around as you as you spray), ensuring all sides of the carrots have been cleaned
- * Store carrots in a refrigerated space inside a plastic bag or tote to maintain moisture and crispness until going to market

** All dates can vary based on local climate and soil conditions and time of year.*