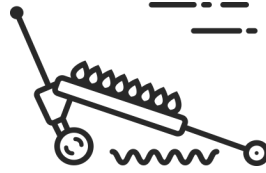


GROWER'S NOTES

BY PAPERPOT CO.



BEETS

CROP & PAPERPOT DATA:

| | |
|---------------------------------|--|
| PAPER CHAIN POT | 6" |
| ROWS PER 100' X 30" BED | 4 |
| TRAYS PER 100' X 30" BED | 3 |
| KWIK KLIK™ TOP PLATE | Plate: Paperpot (264 holes) / Thickness: 3mm / Hole Diameter: 5mm |
| SEEDS PER CELL | 1 |
| SEED PER 100' X 30' BED | 760 seeds (+/-) *Always round up when placing seed orders to ensure having enough |
| RECOMMENDED CULTIVARS | Boro, Chioggia, Avalanche, Red Ace |
| GERMINATION | 48 hours at 86°F |
| DAYS TO TRANSPLANT | 28 days (+/-) *time from seeding to transplanting in the field |
| DAYS TO MATURITY | 50 days (+/-) *time from seeding to being ready for harvest |
| HARVEST WINDOW | 20 days (+/-) *time crop is at ideal stage for harvest after reaching maturity |
| TOTAL DAYS IN FIELD | 42 days (+/-) *DTM + harvest window - days to transplant |
| HARVEST UNIT | Bunch (3-4 beets per bunch, 2.5-3.5" diameter bottoms) |
| TARGET CROP YIELD | 217 bunches (+/-) |
| PRICE PER UNIT | \$3 *depending on local market pricing |
| REVENUE PER BED | \$650 *depending on local market pricing |

SUGGESTED TOOLS:

| | |
|----------------------|--|
| SEEDING | Kwik Klik™ Drop Seeder, Paperpot Germination Trays, Paper Chain Pots |
| TRANSPLANTING | Paperpot Transplanter |
| TILTHING | Power Harrow or Precision Depth Roller (With no tractor: Tither) |
| AERATION | Meadow Creature Broadfork |
| SHAPING | Bed Preparation Rake |
| WEED CONTROL | Flame Weeder |
| CULTIVATION | Wheel Hoe w/Bio-Disc Cultivator, or Flex Tine Weeder |

BED PREPARATION

- ⊞ Broadfork the bed to aerate and loosen the soil.
- ⊞ Smooth and shape the bed with a bed preparation rake, removing any debris.
- ⊞ Beets will do well in beds freshly amended with fertilizer. 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 pelleted chicken manure.
- ⊞ If layering compost, do not till in hopes of smothering any surface weed seed.
- ⊞ If adding amendments, till the top 1-2" of soil to mix in amendments.
- ⊞ Calcium and Boron are also important amendments for beets. Without sufficient boron, beet growth suffers and the roots develop internal black spots.
- ⊞ 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

- ⊞ Prepare trays with 6" paper chain pots, and fill with potting mix.
- ⊞ Install Paperpot bottom plate and specified top plate into Kwik Klik™ (KK) Drop Seeder.
- ⊞ Pour seed onto top plate and rotate until one seed fills each hole.
- ⊞ Position the KK Drop Seeder over the tray, ensuring the holes are lined up with the cells, and click to drop the seeds.
- ⊞ Water the trays, then place in germination chamber for 48 hours at 86°.
- ⊞ Transfer the trays to greenhouse tables after germination.

TRANSPLANTING

- ⊞ Thoroughly water trays before heading to the field for transplanting.
- ⊞ Using the Paperpot Transplanter, plant the four rows of beets.
- ⊞ There should be 6" between rows with 3" from the outer rows to the edge of the bed.
- ⊞ Reference <https://paperpot.co/learn/> for instructional videos if needed.

IRRIGATION

- ⊞ Water the beds thoroughly with overhead irrigation, or four rows of drip.
- ⊞ Not enough water during the warm season causes the plants to bolt and the beet roots to crack and become tough.
- ⊞ Frequent shallow waterings will help maintain flavor and support rapid growth.

CULTIVATION

- ⊞ 10-14 days after transplanting, cultivate using a Terrateck Wheel Hoe with the bio-disc cultivator attachment. This tool will cultivate both on the row and in between rows in a single pass. Repeat 7-10 days later.
- ⊞ A weekly pass with the flex tine weeder is also an effective tool for preventing weeds.

HARVEST

- ⊞ Baby beets are ready for harvest when the bottoms are 2.5-3.5".
- ⊞ Harvest in the kneeling position, bunching 3-4 beets together.
- ⊞ Remove yellow leaves and discard any misshapen/damaged beets in the field while bunching.

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.
- ⊞ Transfer the washed bunches to totes, and store at 35° until taken to market.