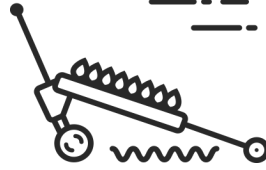


GROWER'S NOTES

BY PAPERPOT CO.



FENNEL

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	Orazio, Preludio
GERMINATION	72 hours at 78°F
DAYS TO TRANSPLANT	28 days (+/-) *time from seeding to transplanting in the field
DAYS TO MATURITY	60 days (+/-) *time from seeding to being ready for harvest
HARVEST WINDOW	14 days (+/-) *time crop is at ideal stage for harvest after reaching maturity
TOTAL DAYS IN FIELD	46 days (+/-) *DTM + harvest window - days to transplant
HARVEST UNIT	Bulb (3-5" in diameter)
TARGET CROP YIELD	760 bulbs (+/-)
PRICE PER UNIT	\$1.50 *depending on local market pricing
REVENUE PER BED	\$1140 *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.
- ⊞ If the previous crop was fertilized, fennel 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 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.
- ⊞ 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 72 hours at 78°.
- ⊞ 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 fennel.
- ⊞ 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.
- ⊞ Frequent shallow waterings will support rapid growth.

CULTIVATION

- ⊞ 10-14 days after transplanting, cultivate using a Terrateck Wheel Hoe with the bio-disc cultivator attachment.
- ⊞ A weekly pass with the flex tine weeder is also an effective tool for preventing weeds.

HARVEST

- ⊞ Fennel is ready for harvest when the bulbs are 3-5".
- ⊞ Fennel is harvested while straddling the 30" bed and cutting at the base with a harvest knife.
- ⊞ Discard any fennel that has blemished or soft spots.

WASHING AND PACKING

- ⊞ Spray all sides of the bulbs, one at a time, with the high pressure Washdown Gun.
- ⊞ Transfer the washed bulbs to totes, and store at 35° until taken to market."