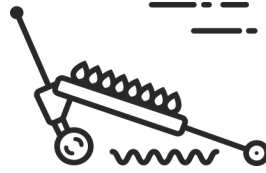


GROWER'S NOTES

BY PAPERPOT CO.



Leeks

CROP & PAPERPOT DATA:

PAPER CHAIN POT	6"
ROWS PER 100' X 30" BED	2
TRAYS PER 100' X 30" BED	2
KWIK KLIK™ TOP PLATE	Plate: Paperpot (264 holes) / Thickness: 1.5mm / Hole Diameter: 2.5mm
SEEDS PER CELL	1
SEED PER 100' X 30' BED	380 seeds *always round up when placing seed order to ensure having enough
RECOMMENDED CULTIVARS	Tadorna
GERMINATION	72 hours at 80°F
DAYS TO TRANSPLANT	55 days (+/-) *time from seeding to transplanting in the field
DAYS TO MATURITY	180 days (+/-) *time from planting to being ready for harvest
HARVEST WINDOW	21 days (+/-) *time crop is at ideal stage for harvest after reaching maturity
TOTAL DAYS IN FIELD	146 days (+/-) *DTM + harvest window - days to transplant
HARVEST UNIT	1 Leek
TARGET CROP YIELD	380
PRICE PER UNIT	\$1.50 *depending on local market pricing
REVENUE PER BED	\$570 *depending on local market pricing

SUGGESTED TOOLS:

SEEDING	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	Wheel Hoe with Furrower, Bed Preparation Rake
WEED CONTROL	Flame Weeder
CULTIVATION	Collinear Hoe

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, leeks 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.
- Tilt 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 skip 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 80°F.
- Transfer the trays to greenhouse tables after germination.
- Apply an organic liquid fertilizer and trim the tops of the leeks two times during their stay in the nursery. This will support strong root development.

TRANSPLANTING

- Leeks are ready for transplanting at about 8 weeks old and 10" tall (+/-).
- Thoroughly water trays before heading to the field for transplanting.
- Using a wheel hoe with a furrower, create two 4" deep furrows the length of the bed.
- There should be 15" between the two rows, and 7.5" from the outer rows to the edge of the bed.
- Using the Paperpot Transplanter, plant two rows of leeks into the furrows.
- Backfill the furrows after transplanting to begin blanching the stalks of the leeks.
- Reference <https://paperpot.co/learn/> for instructional videos if needed.

IRRIGATION

- Water the beds thoroughly with overhead irrigation.
- Frequent shallow waterings will support rapid growth and root development.

CULTIVATION

- 10-14 days after transplanting, begin hilling the rows to continue burying more of the plant. This will create more blanching, increasing its value for market.
- Hilling will also naturally disrupt weed establishment. After another 4" (+/-) is eventually hilled above ground level, weekly cultivate using a collinear hoe.
- Consistent weeding is crucial for leeks as they will not form a canopy over the soil as they mature, unlike other closely spaced crops.

HARVEST

- Loosen the soil with a broadfork or digging fork prior to harvesting the leeks.
- While harvesting, peel off one thin layer of the leek and remove any damaged leaves.
- The tops can also be trimmed so all leeks are uniform in size and able to fit in a harvest tote.

WASHING AND PACKING

- Using the Washdown Gun sprayer over a root wash table, spray clean the leeks until all soil is thoroughly cleaned off. Transfer the leeks to totes, and store at 35°.