

PEAS

Varieties

Process market: Consult processors.

Fresh market: Knight, Progress No. 9, Green Arrow, Paladio, Mr. Big, Strike.

Sugar Snap types (snap pea): Oregon Sugar Pod II (snow pea), Oregon Giant (Snowpea), Super Sugar Snap, Mega.

See your seed dealer for the most recent variety recommendations.

Seed Treatment

Use seed treated with a fungicide or with an insecticide-fungicide mixture if seed-corn maggots are likely to be a problem. **Apron** seed treatment is recommended for early planting in cool soil.

Note: Apron is registered for use only in a commercial seed treatment plant.

Soil Temperature

Good germination will occur at 4 to 14°C.

Land Preparation

The land should be plowed, harrowed and cultivated lightly to ensure a firm seed-bed. For processing crops, the land should be level to enable efficient machine harvesting.

Fertilizer

A soil test is necessary to determine phosphate and potash requirements. See Chapter 3 for recommendations based on soil test results.

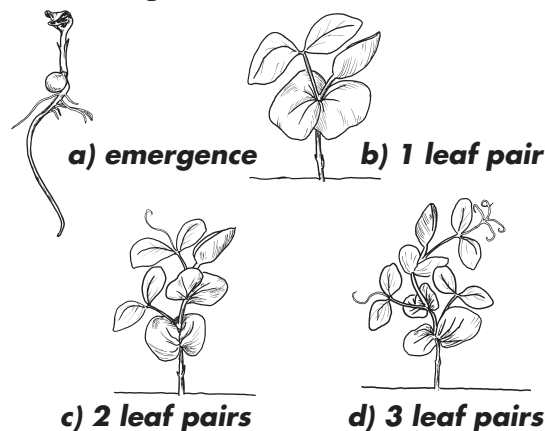
If necessary, lime to obtain a pH of 6.0 – 6.5, which is considered best for growth and nitrogen fixation by the plant.

Broadcast and disc in all the required potash. Drill in up to 100 kg/ha (40 kg/acre) of phosphate with the seed. If more than this amount of phosphate is used, it should be drilled 5 cm deeper than seeding depth before seeding, or applied as a broadcast treatment with the potash. Where a magnesium deficiency is thought to exist, apply 20 kg/ha (8 kg/acre) MgO prior to seeding.

Seeding

Drill dwarf types for the process market at a uniform depth of 4 to 5 cm, dropping 5 to 10 seeds per 50 cm of row. Aim for a plant population of 1,200,000 plants per hectare (485,000/acre). Providing moisture is adequate and not excessive, a light rolling may be advantageous. Heavy rolling or packing is likely to reduce fertilizer uptake and pea root nodulation, and to increase the number of plants affected by root rot.

Pea Leaf Stages



Weed Control

See Table 7.42. See also the fold-out chart inside the back cover.