

Cultural sheet: Peas 'N' Pod

Species	
Brand Name	230-010 Peas 'N' Pod Bernard
Species	Pisum sativum
Trade name species	Peas
Type	Annual
Family	Fabaceae
Seed weight	85 gram / 1000 sds depending on seed lot
EU variety name	Not registered yet: PPPB230010
Young Plant	
Germination days	3 days (max 2 nights)
Germination temp.	10°C – 20°C (50°-68°F) Covered and high humidity, no light needed
Grow on days	35 (5-7 weeks) depends on light-intensity, till harvest
Grow on temp.	10° – 20° C (50°- 68° F)
Min. Grow on temp.	10°C – 50°F (This enlarges the Grow on days period)
Optimal D/N temp.	20°C/68°F -10°C/50°F
Soil for sowing	Sowing soil with good drainage, EC 1,5 PH 5,8-6,5
Soil for sowing covering	Soil with open structure /app. 4-8 mm thick
Fertilisation in the plug	0,5 EC with each watering, low Nitrogen
Ready to transplant	This can be done, after 2 large leafs show, normally in approx. 5-7 days after sowing Preferably sowing takes place direct in the final pot/ in the plant box/container.
Attention points during young plant growing	Plants can grow very fast.
Finish for grower	
Potting soil	Standard soil with good drainage and good water storage EC 1,5 PH 5,8-6,5
Pot-size	10-20 cm / 4"-8"
Plants per pot	3-5 in 10 cm/4" up to 15-25 in a 20 cm/8"
Outdoor in open soil	Planting distance 5 cm/2" in the row, 25-50 cm/10"-20" between the rows
Planting soil outdoor	Standard soil with good drainage and good water storage capabilities EC 0,5 PH 5,8-6,5
Min. Grow on temp.	10° – 20° C (50°- 68° F) (This enlarges the grow on days period)
Ideal grow on temp.	15° – 20° C (50°- 68° F)
Optimal D/N temp.	10° – 20° C (50°- 68° F) Warmer nights result in a violet purple stem colour
Days planting-finish	This period is strongly related to <ul style="list-style-type: none"> • Temperatures during day and night • Light intensity • More than 1x harvest (side-shoots present 50% of the crop weight) 7 weeks under normal growth till ripen peas/pods can be harvested.
Frost	Plants not resistant against night-frost.
Watering	Regularly, keep the soil moist, never let the plant go limp. Watering with minimum 0,5 EC
Fertilisation	Limited necessary
Grow to Finish	In principle this product can be sold in various stages, especially as a pot-plant. <ul style="list-style-type: none"> • As a 9-12 cm pot-plant, to finish at consumers home garden or patio container. • As a 10-20 cm container to finish at home in a pot
Attention points during plant growing	Ripen peas will turn dark green Pay attention to mildew at the end of the crop's life cycle Sleeve them in time, before they grow in eachother

Consumer use	
Use	English/shelling peas for berry consumption. Fresh eating and cooked. Green peas are a great source of protein, fiber, and essential nutrients.
Cooking time	7-9 minutes
Nutritional value	100 grams of fresh (raw) peas contains an average of 10 g carbohydrates, 5 g protein and 0.3 g fat. Furthermore, minerals include 20 mg calcium, 2 mg iron and vitamins 0.4 mg carotene, 0.17 mg B1, 0.16 mg B2 and 50 mg C. The energy value of 100 g is 264 kJ.
Additional information	<ul style="list-style-type: none"> • Very fast crop. • Afilea vine means a trellis is not necessary. i.e. self-supporting • Nice crop for kids at school/young gardeners. • Easy to grow on a limited area. • Sensitive to mildew at the end of the crop. • Be aware, aphids like peas as well.

Pictures



12 cm pot/5 peas



12 cm pot/5 peas



17 cm pot/15 peas



12 cm pot/50 peas

Pictures above 10 days after sowing



12 cm pot/5 peas



25 cm pot/25 peas



17 cm pot/10 peas

Above: Performance as saleable plants in larger pots



Performance in a raised mixed plant-bed



Production field planted 25 cm between rows, 7 cm in row