

# So-Fast™

## INOCULANTS FOR PEAS AND LENTILS

So-Fast inoculants for peas and lentils come in a variety of formulation options for the grower to suit his seeding practice needs. So-Fast pea and lentil inoculants include liquid, sterile peat and peat granular carriers. So-Fast is a culture of highly effective strains of rhizobia (nitrogen fixing bacteria) that will colonize on the plant roots to gather and fix free nitrogen from the air, making it available to plants.

### GUARANTEE:

**So-Fast Liquid** – a minimum of  $7.5 \times 10^8$  viable cells of *Rhizobium leguminosarum* bivar *viceae* per gram.

**So-Fast Sterile Peat** - a minimum of  $1 \times 10^9$  viable cells of *Rhizobium leguminosarum* bivar *viceae* per gram.

**So-Fast Peat Granular** - a minimum of  $1 \times 10^8$  viable cells of *Rhizobium leguminosarum* bivar *viceae* per gram.

**GROUP:** Seed Inoculant.

**CROPS:** Peas and Lentils.

**BENEFIT:** To promote nitrogen fixing nodule formation in crops to convert nitrogen to the form used by the crop.

### RATE:

**So-Fast Liquid** – 75 ml of inoculant per 27.2 kg (1bu) seed. One 4.5 kg container treats 1636 kg (60 bu) of seed.

**So-Fast Sterile Peat** – One 1.2 kg package is sufficient to treat 600 kg (1320 lbs) or 22 bu of seed.

**So-Fast Peat Granular** – 7.3 kg/ha in drilled legumes; see table for row rates.

### Guide for application rate at various row widths – So-Fast Peat Granular:

Row width in cm (in)	Row meters/ha (row ft/ac)	So-Fast™ Granular/ 306 meters of row (1000 ft of row)	Rate of So-Fast™ kg/ha (lb/ac)	Hectare (ac) inoculated/ 18 kg (40lb) bag
96.5 cm (38")	10,362 m (13,755')	170 gm (6 oz)	5.8 kg (5.2 lb)	3.1 ha (7.7 ac)
91.4 cm (36")	10,936 m (14,520')	170 gm (6 oz)	6.1 kg (5.4 lb)	3.0 ha (7.3 ac)
81.3 cm (32")	12,380 m (16,335')	170 gm (6 oz)	6.8 kg (6.1 lb)	2.6 ha (6.5 ac)
76.2 cm (30")	13,123m (17,424')	170 gm (6 oz)	7.3 Kg (6.5 lb)	2.5 ha (6.2 ac)



**APPLICATION METHODS:**

**So-Fast Liquid**

1. Shake well before using, a minimum of 30 seconds.
2. Replace bladder lid with hose kit.
3. Invert bladder above treatment area so the end of the hose is just above the seed (for accurate application rates, ensure hose is straight when dispensing inoculant).
4. Adjust dial to regulate the recommended application rate. (See table below).
5. To ensure adequate mixing of seed and inoculant DO NOT run auger at greater than HALF capacity.

FLOW VALVE SETTING	INOCULANT FLOW RATE		SEED AUGER FLOW RATE	
	ml/min.	fl. oz./min.	kg/min.	lbs (bu)/min.
1	360	12	131	286 (5)
2	860	29	313	690 (11)
3	1340	45	487	1071 (18)
4	1660	56	604	1333 (22)
5	1780	60	647	1428 (24)
6	2030	68	738	1618 (30)

**So-Fast Sterile Peat**

1. **Slurry application:** Add complete pack contents to approximately 2 litres (68 fl.oz.) of clean, dechlorinated water and stir well in a clean container to form a lump-free slurry. Not allowing slurry to settle out, pour onto the seed and mix thoroughly to ensure the seeds are evenly coated. Allow seed to dry before further handling.

2. **Damp inoculation:** Apply just enough water to slightly dampen seed (2 ml/kg – 1.5 oz./50lbs.). Mix the damp seed thoroughly with the inoculant so that they are evenly coated.
3. **Dry inoculation:** Pour the correct amount of inoculant onto thin layers of seed in the drill hopper and mix thoroughly by hand to evenly coat seed. For bulk seed handling systems, the inoculant can be metered directly onto augured seed.

**So-Fast Peat Granular**

Drill granular inoculant below the seed in the furrow. Use drill attachments or applicators to meter the material accurately (similar to applying small amounts of granular herbicides or insecticides). Use the equipment manufacturer’s directions to calibrate before planting.

**TIMING:**

**So-Fast Liquid** – Once open use within 24 hours, if treated seed not planted within 4-8 hours re-inoculation will be required.

**So-Fast Sterile Peat** – Sow seed within 4-6 hours of inoculation if not sown within 24 hours re-inoculation will be needed.

**So-Fast Peat Granular** – Used in furrow at planting time with the seed.

**PRE-HARVEST INTERVAL:** N/A

**CAUTIONS:** Do not use inoculant that has passed its expiration date or that has not been correctly stored. Do not mix with caustic fertilizers or pesticides unless otherwise directed. Do not allow granular formulation to get wet or dry out. Clean feeding mechanism often when using granular as inoculant may compact in heavy humid damp weather due to moisture absorption.

## LABEL BEFORE USE

### **PACKAGE SIZE:**

**So-Fast Liquid** – 4.5 kg (4.5 L)

**So-Fast Sterile Peat** – 1.2 kg

**So-Fast Peat Granular** – 18 kg

**RE-ENTRY TIME:** N/A

### **STORAGE:**

**So-Fast Liquid** – Store between 4°C-9°C (38°F-48°F), do not allow to freeze.

**So-Fast Sterile Peat** – Store below 20°C (70°F) away from direct sunlight.

**So-Fast Peat Granular** – Store between 1°C-20°C (33°F-70°F), as cool as possible on pallets off the floor and away from heat source and direct sunlight. Do not stack pallets more than two high; do not store in warehouse where fumigants have been used. Do not allow inoculant to freeze and thaw repeatedly.

**ADDITIONAL:** If seed is of low moisture content, it is recommended to use either slurry or damp application methods. If soil is dry at seeding time a light irrigation may help reduce damage to inoculant. Under adverse conditions (hot and dry) it is suggested to increase inoculant application rate.

So-Fast Sterile Peat is compatible with most fungicide seed treatments when dry. It can also be applied to specific fungicide treated seed when wet, contact dealer/manufacturer for details.

Some seed treatments are harmful to liquid inoculants, so when using So-Fast Liquid contact dealer/manufacturer for details and recommendations.

**RAINFEST:** N/A



