

# EXCEED®

Superior Legume Inoculant

GRANULATED  
PEAT

## EXCEED® GRANULATED PEAT FOR PULSE CROPS

This granular inoculant is intended to be applied in the furrow with the seed. It is a culture of highly effective strain of rhizobia (nitrogen-fixing bacteria) that will colonize the plant roots to gather and fix the “free” nitrogen of the air, making it available to the plants.

### Product PULSE40

Use Rate 5.0 lbs/ac (5.6 kg/ha). One bag treats 8 ac (3 ha).

Net Weight 40 lbs (18 kg).

Package Configuration: One - 40 lb (18 kg) bag, 50 bags per pallet

### Product PULSE520

Use Rate 5.0 lbs/acre (5.6 kg/ha). One tote treats 104 acres (42 ha).

Net Weight 520 lbs (236 kg).

Package Configuration: One - 520 lb (236 kg) tote, 3 totes per pallet.

## CONTAINS NONPLANT FOOD INGREDIENTS

### Guaranteed Analysis

Inoculant:

Active Ingredient: <0.035% by Weight

*Mesorhizobium ciceri*: 1x10<sup>8</sup> CFU/g

*Rhizobium leguminosarum biovar viceae*: 1x10<sup>8</sup> CFU/g

Inactive Ingredients: >99.965% by Weight

## KEEP OUT OF REACH OF CHILDREN

This product does not meet the regulatory definition of a hazardous chemical under 29 CFR 1910.1200. However, good industrial hygiene practices should be used in the manufacture and handling of the product.

### Precautionary Information:

While Exceed® Granulated Peat for Pulse Crops is non-toxic, it is recommended that the applicator avoid inhalation. Visjon Biologics recommends the use of gloves and eye protection while using Exceed® Granulated Peat for Pulse Crops

### Directions for Use:

- Apply Exceed® Granulated Peat for Pulse Crops at a rate of 5.0 lbs. per acre (5.6 kg/ha) on 9 in (23 cm) rows. (See chart at right.)
- Exceed® Granulated Peat for Pulse Crops is pelletized and should be applied through insecticide boxes or granular applicator boxes or through air seeders with a second tank. Separating the seed and the inoculant into two different application devices will ensure targeted application rates of both products are obtained.
- Apply Exceed® Granulated Peat for Pulse Crops Inoculant through an approved application device.
- Use recommended rate based upon row width provided in the chart at right. It is preferable to do a product calibration each time the product is used. This will account for slight changes in product characteristics that may occur due to a change in density, dampness, ambient temperature, relative humidity, and general flow of the product at the time of seeding. Directly entering or selecting a calibration number could result in less accurate application rates. To achieve the highest accuracy of application rates, perform an in-field distance calibration.

### User Tips

- Exceed® Granulated Peat for Pulse Crops Inoculant may have flowability problems under conditions of high humidity.
- Application devices should only be half-filled or three-quarters filled under conditions of high humidity.
- Do not fill boxes until the producer is ready to plant and in the field.
- Any leftover product should be cleaned out of the applicator at the end of the day, stored properly and used the next day.
- Exceed® Granulated Peat for Pulse Crops Inoculant can draw moisture

if it sits for long periods. Avoid overfilling planting equipment.

- Where high levels of nitrogen are available in the soil or over 30 lbs. (13.6 kg) of available nitrogen have been applied to the soil, rhizobia inoculants will not perform at optimum level.

### APPLICATION RATE

Row Width inches (cm)	Recommended Rate lbs/acre (kg/ha)
15 (38)	3 (3.36)
12 (30)	3.8 (4.26)
9 (23)	5.1 (5.72)
7 (18)	6.5 (7.29)

### Storage of Exceed® Granulated Peat for Pulse Crops:

- Always read and follow instructions.
- Store in a cool, dry place out of direct sunlight.
- Store product between 40° and 77° F (4° and 25° C.)
- Open package only when ready to use.
- Use before expiration date.
- Do not store in an area which is to be fumigated.
- Small amounts of product which cannot be used according to instructions may be disposed of in a landfill.

### Expiration Date:

Exceed® Granulated Peat for Pulse Crops carries a one-season shelf life and expires the date stamped on the bag or tote.

Information regarding the contents and levels of metals in this product is available on the internet at:  
<http://www.aqpfco.org/metals.html>

### For virgin soils or adverse environmental conditions:

In planting situations where pea or garbanzo bean (chickpeas) have never been grown or haven't been grown for 5 years, it is recommended that Exceed® Granulated Peat for Pulse Crops be used at 2x the normal rate or use Exceed® Granulated Peat for Pulse Crops in combination with Exceed® Traditional Liquid Inoculant for Pea, Vetch & Lentil and/or Exceed® Traditional Liquid Inoculant for Garbanzo Bean.

### Limited Warranty:

VISJON BIOLOGICS GUARANTEES THIS CULTURE TO PRODUCE SATISFACTORY NODULE FORMATION AND NITROGEN FIXATION UNDER FAVORABLE CONDITIONS OF SOIL AND CLIMATE WHEN USED BEFORE EXPIRATION DATE AND APPLIED UNDER THE MANUFACTURER'S SPECIFICATIONS, OR PURCHASE PRICE WILL BE REFUNDED. A VISJON BIOLOGICS REPRESENTATIVE MUST BE NOTIFIED OF ANY FIELD COMPLAINT WITHIN FIFTY (50) DAYS AFTER PLANTING. MANY FACTORS OTHER THAN NODULATION AFFECT CROP PERFORMANCE. VISJON BIOLOGICS ASSUMES NO RESPONSIBILITY FOR LOSS OR PARTIAL LOSS OF CROP FROM ANY CAUSE WHATSOEVER. THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. THE LIMITED WARRANTY IS VOID WHERE PROHIBITED BY LAW. IF YOU HAVE ANY QUESTIONS ABOUT THIS PRODUCT OR ANY OTHER VISJON BIOLOGICS PRODUCT, CALL 940-264-0343 FOR ASSISTANCE.



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