



CUSTOM LIQUID

### EXCEED<sup>SAR</sup> CUSTOM LIQUID FOR PEANUT

This liquid inoculant is intended to be applied on-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 2008

Treats 10 ac (4.04 ha) in-furrow

Net Contents: One 135.25 fl oz (4 L) bladder bag of Inoculant and One 8.5 fl oz (251.38 mL) bottle of Exceed<sup>SAR</sup>

Package Configuration: 4 sets of one bladder of inoculant and one bottle of Exceed<sup>SAR</sup> per case, 54 cases per pallet

Row Width	Suggested Rate oz/ac (L/ha)	1 Inoculant/Extender Set Treats
30 in (76.2 cm)	17 fl oz (1.24 L)	9 ac (3.6 ha)
36 in (91.4 cm)	15 fl oz (1.1 L)	10 ac (4.04 ha)
38 in (96.5 cm)	14 fl oz (1.02 L)	11 ac (4.45 ha)
40 in (101.6 cm)	13 fl oz (0.95 L)	12 ac (4.86 ha)

#### CONTAINS NONPLANT FOOD INGREDIENTS

##### Minimum Guaranteed Analysis

Inoculant:

Active Ingredient: <1% by Weight

*Bradyrhizobium spp. (vigna)*: 4.5 x 10<sup>9</sup> CFU/mL

Inactive Ingredients: >99% by Weight

Exceed<sup>SAR</sup>:

Active Ingredient: 0.25% by Weight

Chitosan (poly-D-glucosamine)

Inactive Ingredients: 99.75% by Weight

EPA Establishment No. 91967-TX-1

EPA Registration No. 91664-3-91967

#### 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<sup>SAR</sup> Custom Liquid for Peanut is non-toxic it is recommended that the applicator avoid inhalation. Visjon Biologics recommends the use of gloves and eye protection while using Exceed<sup>SAR</sup> Custom Liquid for Peanut.

**This product is designed to be custom applied through an approved application device by a retail location that has been trained in the proper methods of handling and applying Exceed<sup>SAR</sup> Custom Liquid to peanut seed. Please read all directions and specifications carefully before using this product. This product contains live organisms that are sensitive to chemicals and harsh environmental conditions.**

#### FOR RETAIL APPLICATION ONLY.

##### Directions for Application:

- Ensure that the treater has been properly calibrated.
- Shake each container well before use.
- Pour each container into mix tank.
- Add cool, clean, non-chlorinated water at a rate of 5-10 gallons per acre to dilute the product properly.
- Agitate or recirculate liquid mixture to ensure proper distribution of water, bacteria and extender with Exceed<sup>SAR</sup>.
- Apply in-furrow at a rate of 1.1 fl. oz. (32.53 mL) for 1,000 ft (304.8 m) of row or 35 fl oz (1.04 L) per 1,000 ft (304.8 m) of row in dilution. One 1.1 gal (4.16 L) at the 1.1 fl oz rate will treat 10 ac (4.04 ha) in-furrow at 36 in (91.4 cm) row spacing. The quantity of Exceed<sup>SAR</sup> Custom Liquid for Peanut applied per acre varies depending upon the row width.

- Prepare only as much Exceed<sup>SAR</sup> Custom Liquid for Peanut as will be used that day.
- Apply to the seed trench, do not apply banded to the side, below, or above the seed. Plant into moist soils. In hot, dry soils, irrigate ground starting with the seed that was planted first as soon as possible. Extended periods of hot, dry soils may have a detrimental effect on the viability of the rhizobium. Exceed<sup>SAR</sup> Custom Liquid for Peanut should only be applied in-furrow and should never be seed applied.
- Consult with a Visjon Biologics representative for a complete list of compatible seed treatments.
- For twin row planted peanuts, apply the full inoculant rate of Exceed<sup>SAR</sup> Custom Liquid for Peanut in both rows. (Twin row application treats half the number of acres indicated in the chart above.)

The product density of Exceed<sup>SAR</sup> Custom Liquid for Peanut is 8.6 lbs/gal (1.03 g/mL).

##### Storage of Exceed<sup>SAR</sup> Custom Liquid for Peanut:

- 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<sup>SAR</sup> Custom Liquid for Peanut carries a one-season shelf life and expires the date stamped on the case.

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

##### 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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CUSTOM LIQUID

**EXCEED<sup>SAR</sup> PLANT DEFENSE BOOSTER - AGRICULTURAL USE**

When used as directed on this label, Exceed<sup>SAR</sup> Plant Defense Booster can boost seed germination and vitality, stimulate emergence and sprouting, enhance plant vigor, promote root growth, promote foliar growth, increase crop yields, improve crop vigor and quality, suppress diseases and pathogens, activate plant resistances to environment stress, drought, and disease pressures, including the suppression of parasitic nematodes.

Systemic Induced Resistance and Innate Immunity Protection EXCEED<sup>SAR</sup> Plant Defense Booster Protects grasses, grains, cereals, legumes, sugar beets, and vegetables against fungus, mosaic virus, stem wilt, damp-off, early blight, late blight and mold.

For use on corn, canola, soybeans, rice, sugar beets, vegetables, herbs, sunflowers, wheat, grains, cereals, legumes and flowers.

<b>Active Ingredient:</b> Chitosan .....	0.25%
<b>Other Ingredients</b> .....	99.75%
<b>Total</b> .....	100.00%

Product contains 0.021 lbs (0.01 kg) of chitosan/gallon

**KEEP OUT OF THE REACH OF CHILDREN**  
**CAUTION**

FIRST AID	
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.</p>	

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes. Wash thoroughly with soap and water after handling.

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash waters.

For 5 gallon product: Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewers without previously notifying the sewage treatment plant authority. For guidance, contact your State Water board or regional Office of the EPA.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear: Long-sleeved shirt, long pants, waterproof gloves, protective eyewear, and shoes plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE separately from other laundry.

**DIRECTIONS FOR USE**

It is a violation of federal laws to use this product in a manner inconsistent with its labeling.

To prevent contamination of the dilute solutions of Exceed<sup>SAR</sup> Plant Defense Booster by possible pesticide or other chemical residues in the spraying equipment, use dedicated equipment, or be sure that the equipment is thoroughly clean before use.

**For Agricultural Use:**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**Agricultural Use Requirements**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Waterproof gloves
- Protective eyewear, and
- Shoes plus socks

**GENERAL INSTRUCTIONS**

Shake before using. Following specific crop instructions for dilution rates and application usage. Do not apply within three days of harvesting. For best results use pH neutral (pH 6.9 to 7.0) mix water.

*Continues on next page*

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Continued

Crops	Mixing and Application Instructions
<p>Seed Treatment</p> <p>Beans (lima, snap, dry edible, cowpeas, peas), Broccoli, Brussels sprouts, Cabbage, Canola, Cantaloupe, Cauliflower, Corn (field, sweet and pop), Cotton, Cucumber, Eggplants, Flax, Grass grown for seed, Legumes (including alfalfa and clover), Onion, Ornamental flower crops, Peanuts, Safflower, Small grains (including wheat, oats, rye, barley, rice, millet, sorghum, triticale), Pumpkin, Soybeans, Squash, Sugar beet, Sunflowers, Tobacco, Tomato, Turfgrass, Watermelon</p>	<p>For seed treatment, Apply 0.1 fluid ounces of product per 100 lbs. seed.</p> <p>Apply as a water based slurry through standard slurry or mist-type commercial seed treatment equipment.</p> <p>May be applied with other registered seed treatment products if compatibility is known.</p>
<p>Seed Piece Treatment</p> <p>Potato Sweet potato</p>	<p>For Seed Piece Treatment</p> <p>Mix 17 fluid ounces of product in 10 gallons of water.</p> <p>Dip tubers in mixture prior to planting.</p> <p>Plant tubers wet or allow to dry.</p>

**Storage and Disposal**

Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in original container in a cool, dry place away from sunlight and out of the reach of children and pets. Do not reuse container.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. (For product less than 5 gallons) Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. (For product greater than 5 gallons) Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. An empty container retains vapor and product residue. Observe label safeguards until container is cleaned, reconditioned or destroyed. Completely empty contents into formulation equipment. Then offer for recycling or reconditioning or, dispose of container in a manner approved by state and local authorities.

**WARRANTY**

Visjon Biologics warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, the presence of other materials or the manner of use of application, all of which are beyond the control of Visjon Biologics. To the extent consistent with applicable law, Visjon Biologics shall not be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. To the extent consistent with applicable law, the exclusive remedy of any buyer or use of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of the product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall not exceed the purchase price paid for this product or at Visjon Biologics' election, the replacement of this product. Visjon Biologics MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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