

AZOS[®] RED LIQUID

BIOLOGICALS

NITROGEN-FIXING BACTERIA

GROWTH PROMOTER

Boosts Crop Yields and Reduces Fertilizer Inputs

Great for use on all corn, soybeans, cereal crops, cotton, strawberries, cane berries, vegetables, leafy greens, grapes, fruits, nuts, potatoes, horticultural, food and field crops.

CONTAINS NON-PLANT FOOD INGREDIENT(S)

Soil Amending Guaranteed Analysis

Contains the following species of Diazotrophic bacteria:

Azospirillum brasilense 1 x 10⁶ CFU*/ml

*Colony Forming Units

Directions for Use:

Application Rate: Apply 16-32 fl oz of AZOS RED per acre. This rate is applicable for both field application and seed treatment.

Application Methods: AZOS RED offers versatile application options to suit various stages of plant growth and farming practices. It can be introduced to crops and soil using the following methods:

- 1. Fertigation and Irrigation Systems:** AZOS RED can be applied through existing fertigation or irrigation setups.
- 2. Foliar Spray:** For direct plant benefits, AZOS RED can be applied as a foliar spray.
- 3. Root Dip:** Prior to planting, seedlings can be treated with an AZOS RED solution.
- 4. Direct Soil Application:** For targeted root zone delivery, AZOS RED can be applied directly to the soil in furrow at the time of planting.
- 5. Seed Treatment:** Coat seeds with AZOS RED before planting.

Dilution Recommendations: For optimal effectiveness, it is recommended to dilute AZOS RED with 10-30 gallons of water per acre.

Compatibility Guidelines: AZOS RED can be mixed directly with most fertilizers, herbicides, and other microbial products. Caution should be exercised when mixing with fungicides and pesticides, as these products may reduce the effectiveness of AZOS RED. Always jar test for compatibility, before tank mixing AZOS RED with other products.

Storage & Handling: Keep AZOS RED in a cool, dry place away from direct sunlight. Always use gloves when handling and mixing.

General Use Information: AZOS RED is a liquid that can be applied using a variety of application methods to fit farming practices. Direct the application of AZOS RED on or near the seed of living plant root to allow the bacteria to contact and colonize the developing plant roots. AZOS RED is also effective as a foliar application when sprayed on the foliage and surrounding soil. AZOS RED is most effective in crops subjected to stress from marginal soils, hot and dry conditions, and where nutrient availability is constrained. When using AZOS ensure the AZOS RED solution remains under constant agitation during both the mixing and injecting processes.

Statement of Claims: RTI certifies that this product contains the microorganisms identified on the label at the stated CFU count. The organisms are sensitive to environmental conditions and RTI is unable to make any guarantees beyond the statement above.

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

Warranty: Any liability expressed or implied, is limited to the purchase price of this product.

Expiration Date:

Net Weight: 2.5 gallons / 9.46 liters

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APPLICATION SCHEDULE

CORN

At Planting:	<i>In-Furrow Application:</i> Apply directly in the seed furrow at planting. Ensure product is in close proximity to seeds. <i>With Starter Fertilizer:</i> Mix AZOS RED with liquid starter fertilizer and apply in-furrow directly to seed bed.
With Herbicide Sprays:	Apply during V4 to V6 corn growth stages.
With Side-Dress Fertilizer Applications:	Apply during the V6 to V8 corn growth stages.

SOYBEANS

At Planting:	<i>In-Furrow Application:</i> Apply directly in the seed furrow at planting. Ensure product is in close proximity to seeds. <i>With Starter Fertilizer:</i> Mix AZOS RED with liquid starter fertilizer and apply in-furrow directly to seed bed.
Early Vegetative Growth:	Apply during the V2-V4 growth stage.
Bloom:	Apply as flowers begin to bloom.

CEREAL CROPS

At Planting:	<i>In-Furrow Application:</i> Apply directly in the seed furrow at planting. Ensure product is in close proximity to seeds. <i>With Starter Fertilizer:</i> Mix AZOS RED with liquid starter fertilizer and apply in-furrow directly to seed bed.
Early Spring Growth:	Apply at the early tillering stage (Feekes scale 2-3).
Before Jointing Stage:	Apply prior to the jointing stage (Feekes scale 6).

COTTON

At Planting:	<i>In-Furrow Application:</i> Apply directly in the seed furrow at planting. Ensure product is in close proximity to seeds. <i>With Starter Fertilizer:</i> Mix AZOS RED with liquid starter fertilizer and apply in-furrow directly to seed bed.
Early Vegetative Growth:	Apply when cotton has 2-3 true leaves.
Pre-Bloom Stage:	Apply before the onset of blooming.

SUGARCANE

At Planting:	<i>In-Furrow Application:</i> Apply directly in-furrow alongside the sugarcane sets or as a soil drench in the planting furrows. <i>With Starter Fertilizer:</i> Mix AZOS RED with liquid starter fertilizer and apply in-furrow directly to seed bed.
Early Growth Stage:	Apply 4-6 weeks after planting.
Pre-Tillering Stage:	Apply before the tillering stage begins, approximately 8-12 weeks after planting.

LETTUCE, VEGETABLES & ROW CROPS

At Planting:	<i>In-Furrow Application:</i> Apply during the sowing of seeds or transplanting of seedlings. <i>With Starter Fertilizer:</i> Mix AZOS RED with liquid starter fertilizer and apply it directly to the seed bed or transplant line in the furrow.
Early Vegetative Growth Stage:	Apply when plants have 2-4 true leaves (before or after thinning).
Mid-Season Boost:	Apply midway through the growing season (rosette stage for lettuce).

STRAWBERRIES & CANE BERRIES

At Planting:	Apply as a root dip.
After Planting:	Approximately 2-3 weeks after transplant.
Maintaining:	Inject through irrigation every 14 days. Stop 30 days before first picking.

FRESAS Y BAYAS DE CAÑA

Al Momento de la Siembra:	Aplicar como baño de raíces.
Después de Plantar:	Aproximadamente 2-3 semanas después del trasplante.
Manteniendo:	inyectar mediante riego cada 14 días. Continuar hasta el último mes de cosecha.

GRAPE VINES & ORCHARDS

Bud Break:	Apply at bud break.
Early Bloom:	Apply at onset of bloom.
Post Harvest:	Apply after harvest before dormancy.

POTATOES

At Planting:	<i>In-Furrow Application:</i> Apply directly in the seed furrow at planting. Ensure product is in close proximity to seeds. <i>With Starter Fertilizer:</i> Mix AZOS RED with liquid starter fertilizer and apply in-furrow directly to seed bed.
Early Vegetative Growth:	Apply when plants are 6-8 inches tall.
Pre-Tuber Initiation:	Apply before tuber initiation (approximately 30-40 days after plant emergence).

BLUEBERRIES

At Planting:	<i>In-Furrow Application:</i> Apply directly in the planting holes or trenches. <i>With Starter Fertilizer:</i> Mix AZOS RED with liquid starter fertilizer and apply in the planting holes or trenches.
Early Vegetative Growth:	Apply 4-6 weeks post-planting.
Early Bloom Stage:	Apply at onset of bloom.



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