FOR USE AS A SEED TREATMENT

Active Ingredient: S-Abscisic Acid (S-ABA) 25.0% w/v
Other Ingredients 75.0% w/v
Total 100.0% w/v

Contains a total of 25 g of S-Abscisic Acid (S-ABA) in 100 ml of product. Application of BioNik (S-ABA) to seeds shifts the seedling emergence timeframe. Application of appropriate rates of BioNik also imparts an increased resistance of the emerged seedling to environmental stress (such as chilling stress).

KEEP OUT OF REACH OF CHILDREN

CAUTION

EPA Registration No.: 73049-474
EPA Establishment No.: 33762-IA-001

List No. 60235-04-01
04-7373/R2

Lot No. 04-7373/R2

Net Contents: 1 QUART (946 mL)

List No. 04-7373/R2

KEEP OUT OF REACH OF CHILDREN

Adapter for First Aid, Precautionary Statements, Storage & Disposal Statements and Directions for Use.

VALENCE Biosciences
870 Technology Way
Libertyville, IL 60048
1-847-566-4700

List No. 04-7373/R2

Keep Out of Reach of Children
Non-varnish area will not knock out of color.
PANTONE 348

25.0%

100

Delay Of Corn Inbred Parents

longer

with

representative

corn,

flowering

Field
corn

experience.

hundred

Crop
test

BioNik

Delay Of

corn

BioNik

Active

ingredient

grams

BioNik

(grams)

Per 1000

Kernels

Remarks

Apply BioNik in a total application volume of 8 to 25 fluid ounces per hundred pounds of seed according to equipment used and previous experience.

BioNik can be applied as a seed treatment in corn and soybean seed to delay flowering and increase yield. BioNik is a naturally occurring plant growth regulator found in plants. In addition to proper application technique, environmental and cultural factors will affect the seed or seedling’s response to treatment with BioNik. Do not use this product on old, weak, or damaged seed. Excessive stand loss may result from such use.

Different inbreds or cultivars within a given plant species may require a higher or lower rate of BioNik to achieve the desired effects.

Different inbreds or cultivars within a given plant species may respond differently to BioNik. Therefore, to determine response levels, test or treat a small number of seeds before applying BioNik to a large number of seeds.

DO NOT exceed the maximum stated rate.

STORAGE AND DISPOSAL

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

Pesticide Storage: Keep container tightly closed when not in use. Store product in a cool place. Avoid extended storage conditions at temperatures above 25°C (77°F). Avoid exposure of product to light or sunlight.

Pesticide Disposal: To avoid waste, use all material in this container by application according to label directions. If wastes cannot be avoided, either by-product or residue from the formulation may be disposed of through proper and normal agricultural practices on the farm. Disposal should be made in accordance with any regulations of federal, state, or local governmental agencies or by industry.

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 hours after flow begins to stop. If containing water and rinse material, drain for 10 hours or the flow begins to stop. Pour rinse into application equipment or a mix tank or store rinse for later use or disposal. Drain for 10 hours after the flow begins to stop. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances.

WARRANTY AND DISCLAIMER STATEMENT

To the extent permitted by law, this product imparts no warranty, express or implied, of merchantability, fitness or otherwise concerning use of this product other than as indicated on the label. User assumes all risks of use, storage or handling not in strict accordance with accompanying directions.

© 2012

BioNik is a trademark of Valent BioSciences Corporation.

Black &amp; White

Color

PANTONE 465

PANTONE 424

VARNISH

Massive™

PANTONE 870

870 Technology Way
Libertyville, IL 60048
1-847-988-4700

List No.: 06235-04-01
04-7374/91
04-7374/91

EPA Reg. No.: 75879-474
EPA Est. No.: 35273-IW-001

Tec STRICT USE AS A SEED TREATMENT

Active Ingredient:

S-ABA

25.0% w/w

Other Ingredients:

25.0% w/w

Total

100.0% w/w

Contains a total of 25 g of S-ABA in 100 ml of product. Application of BioNik®-S (S-ABA) to seeds shifts the seedling emergence timeframe. Application of appropriate rates of BioNik also imparts an increased resistance of the emerging seedling to environmental stress (such as CHILLING STRESS, PESTS, DISEASES, ETC.):

See succeeding panel for first Aid, Precautionary Statements, Storage & Disposal Statements and Directions for Use.

KEEP OUT OF REACH OF CHILDREN

CAUTION

Net Contents: 1 QUART (946 mL)

FOR USE AS A SEED TREATMENT

Active Ingredient:

S-ABA

25.0% w/w

Other Ingredients:

25.0% w/w

Total

100.0% w/w

Contains a total of 25 g of S-ABA in 100 ml of product. Application of BioNik®-S (S-ABA) to seeds shifts the seedling emergence timeframe. Application of appropriate rates of BioNik also imparts an increased resistance of the emerging seedling to environmental stress (such as CHILLING STRESS, PESTS, DISEASES, ETC.):

See succeeding panel for first Aid, Precautionary Statements, Storage & Disposal Statements and Directions for Use.

KEEP OUT OF REACH OF CHILDREN

CAUTION

Net Contents: 1 QUART (946 mL)

FOR USE AS A SEED TREATMENT

Active Ingredient:

S-ABA

25.0% w/w

Other Ingredients:

25.0% w/w

Total

100.0% w/w

Contains a total of 25 g of S-ABA in 100 ml of product. Application of BioNik®-S (S-ABA) to seeds shifts the seedling emergence timeframe. Application of appropriate rates of BioNik also imparts an increased resistance of the emerging seedling to environmental stress (such as CHILLING STRESS, PESTS, DISEASES, ETC.):

See succeeding panel for first Aid, Precautionary Statements, Storage & Disposal Statements and Directions for Use.
Caution:
Follow Applicators Personal Protective Equipment (PPE) human
Do not use 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 disposing of equipment washer or intake.

To prevent potential consumption by animals, cover or collect treated seeds spilled during 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 disposing of equipment washer or intake.

**General Directions**
It is a violation of Federal law to use this product in a manner inconsistent with its labeling. 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 at application. For any requirements specific to your State or Tribe, consult the State or Tribal Agency responsible for pesticide regulation.

**Post-Harvest Directions**
Treated seed must not be used for or mixed with food or animal feed, or processed or stored for use. Seed commercially treated with a pesticide must be labeled as follows: "Treated Seed. Do not use for food, feed, or soil." The seed must contain an EPA approved dye with the pesticide during the seed treatment process, unless dye is already on the seed. (40 CFR 103.155(b)(1)).

**Agricultural Use Requirements**
Use this product only in accordance with its labeling and with the Work or 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 internal. The requirement in this box only apply to uses of this product that are covered by the Worker Protection Standard.

**Compatibility With Other Agricultural Products**
Compatibility and performance data for BioNik with other agricultural products is not available. Although BioNik is generally compatible with many other seed treatment formulations, if BioNik is to be mixed with other seed treatment products, first test a small scale. Use caution in mixing with other products as incompatibility or poor performance may occur by an incompatible seed treatment mixture, an unseeded seed coating, or poor adherence of the seed coating or seed.

**Emergence and Flooding Delay for Hybrid Seed Production**
Seeds for production of hybrid seed should be sown as early as possible to avoid delaying emergence and flowering. Select planting dates that take into account the crop's sensitivity to environmental stress. Depending on the crop, the emergence and flowering of seedlings may be delayed due to environmental stress. For example, delaying watering or irrigating may cause a delay in flowering and seed production. However, delaying emergence may also be beneficial in reducing seedling competition for nutrients and water. Carefully consider the potential for a delay in flowering and seed production when planning the planting date.

**Application Instructions**
BioNik contains the active ingredient S-Allosilic Acidic, commonly known as S-Acid, a potent naturally occurring Plant Growth Regulator found in plants. Under conditions which result from any deviations from the label directions for applying BioNik, BioNik should be thoroughly mixed by shaking or agitation before use. Apply BioNik to seeds using commercial seed treatment equipment at a seed treatment facility. Apply diluted BioNik directly to seeds for delayed emergence and synchronization of emergence and flowering. BioNik is generally compatible with other seed treatment products, but should be mixed directly with the seed treatment product, as directed by the label instructions. Make one application using seed treatment equipment which will give uniform coverage to all seeds. To ensure uniform coverage, apply the appropriate volume of BioNik seed treatment solution to each seed. Inbred Genotypes: Different inbreds within a given plant species may require a higher or lower rate of BioNik to achieve the desired period of emergence and flowering delay. Height of delay resulting from BioNik is dependent on inbred genetics and is not immediately obvious without testing. The genetic background of the seed will affect its sensitivity to this natural growth regulator. Conduct small scale evaluations of each inbred to determine the dose required for the desired period of emergence and flowering delay.