

DIVERSE K[®] 0-0-23

23% SOLUBLE POTASH WITH 8% SULFUR

PEEL BACK BOOK HERE ▲



STARTER FERTILIZER

GUARANTEED ANALYSIS

Soluble Potash (K ₂ O)	23%
Sulfur (S)	8%
8% Combined Sulfur (S)	

DERIVED FROM: Potassium sulfite

F3013

Information about the components of this lot of fertilizer may be obtained by writing to Innvictis BioScience Plant Health Technologies and giving the lot number from the container.

KEEP OUT OF REACH OF CHILDREN WARNING

PRECAUTIONARY STATEMENTS

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.

HAZARD STATEMENTS

May be harmful if swallowed
May be harmful in contact with skin.
Causes mild skin irritation.
May be harmful if inhaled
Causes eye irritation.

Prevention:

Wash hands, face and other affected areas thoroughly after handling.

Response:

Call a POISON CENTER or doctor/physician if you feel unwell.

If INHALED: Call a POISON CENTER/doctor if you feel unwell.

If skin irritation occurs: Get medical advice/attention

If IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.



NET CONTENTS: 2.5 Gal (9.46 L)
NET WEIGHT: 28.75 lb (13.04 kg)
DENSITY: 11.5 lb/gal @ 68 °F



**INNVICTIS
BIOSCIENCE™**
PLANT HEALTH TECHNOLOGIES
P.O. Box 9296, Boise, ID 83707
855-466-8428

021519RD020221

PRODUCT INFORMATION

DIVERSE K is a clear to slightly yellow liquid solution containing 23% K₂O and 8% plant available sulfur. Each gallon of *DIVERSE K* contains approximately 2.6 lb of soluble potash (K₂O) and 1 lb sulfur (S). *DIVERSE K* can be blended in any ratio with 10-34-0 or 11-37-0 to provide potassium and sulfur, critical nutrients, especially in minimum or no-tillage conditions. Blends with UAN solution should be jar tested before making large quantities. UAN blends should contain enough water to equal the lesser amount of one of these products to reduce crystal formation. *DIVERSE K* can be acidified to a pH of 5.6 to form a stable acidic fertilizer for high pH soils.

For fertilizer application rates suitable for your geographical area or the maximum allowable non-nutrient application rates per acre, consult a trained soil specialist or write to Innvictis BioScience Plant Health Technologies.

POP-UP AND STARTER FERTILIZERS

POP-UP FERTILIZER:

Corn: For Pop-up or in-furrow placement, *DIVERSE K* can be applied along with ammonium polyphosphate (APP) in any combination. In-furrow application of blends of *DIVERSE K* with 10-34-0 should not exceed:

- 80 lb per acre (7.0 gal/acre) of mixed product in-furrow for heavy clay soils with no more than 5 gal/acre of APP.
- 40 lb/acre (3.5 gal/acre) of mixed product in-furrow for sandy soils.
- 40 lb/acre (3.5 gal/acre) of mixed product when soil conditions are dry.
- *DIVERSE K* weighs 11.5 lb/gallon, approximately the same as 10-34-0 per gallon. If other fertilizers are added to the suggested rates above, then a test trial should be done the first year before making large applications.
- By itself, apply 1 to 5 gal/acre of *DIVERSE K* with the seed. Sandy or dry soils conditions reduce this rate by 50%.

Wheat: Apply 1 to 3 gal/acre by itself or in combination with APP.

Follow established rates for N + K with the seed for your area and/or soil type.

- When using 11-37-0, adjust the amount according to the above suggested rates.

STARTER FERTILIZER (2 X 2 OR 2 X 0):

Corn: Apply 1 to 8 gal/acre of *DIVERSE K* with or without APP in a 2 X 2 (2 inches below and 2 inches to the side of the seed row) or 2 X 0 (2 inches to the side of the seed row on the surface) placement. For sandy or dry soils reduce rate by 50% when moisture is limiting.

Soybeans: In-furrow, apply up to 1 gallon of *DIVERSE K* on the seed or with a Y splitter. Apply 1 to 6 gal/acre of *DIVERSE K* in a 2 X 2 (2 inches below and 2 inches to the side of the seed) or 2 X 0 (2 inches to the side of the seed row on the soil surface) placement.

Foliar applications of *DIVERSE K* can be made to Soybeans and Cotton at 1-2 gallons per acre. For foliar applications the addition of *CAVALIER O.A.C.* may be used with *DIVERSE K*.

FERTIGATION

Before injecting *DIVERSE K* into an irrigation system, make sure that the irrigation system is in good condition and provides uniform distribution to the field. Application of nutrients like *DIVERSE K* should be made in the middle third or second half of an irrigation set.

- The injection of *DIVERSE K* should be done slowly and should last at least as long as it takes irrigation water to travel from the point of injection to the last emitter or sprinkler in the field.
- The injection of *DIVERSE K* should be done with a fertilizer injection pump and over a 1 to 4 hour time period in the middle third or second half on an irrigation set.
- Rapid injection of *DIVERSE K* may lead to uneven distribution of fertilizer and may cause crop damage.

SPRINKLER/CENTER PIVOT

Trees (Under): 6 to 9 gallons per acre per application every 10 to 14 days based on crop requirements.

Trees (Overhead): 4 to 5 gallons per acre every 10 to 14 days based on crop requirements.

Vines: 4 to 5 gallons per acre every 10 to 14 days based on crop requirements.

Vegetable and Row Crops: Beginning at the 3rd - 4th leaf stage, apply 1 to 7 gallons per acre every 7 to 10 days based on crop requirements.

After injection, allow enough irrigation time (at least 60 minutes) to rinse the plants of any residual fertilizer.

DRIP IRRIGATION

Young Trees: 3 to 6 gallons per acre during the season, starting at full leaf; apply once every 2 to 4 weeks.

Mature Trees: 5 to 12 gallons per acre, starting at full leaf; apply once every 2 to 4 weeks.

Grapes: Application of *Diverse K* can be made any time up to veraison and post-harvest.

Young vines: 3 to 6 gallons per acre, no more than once every 2 to 4 weeks.

Mature vines: 5 to 12 gallons per acre as required according to tissue analysis, no more than once every 2 weeks, as needed.

Vegetable and Row Crops: 3 to 6 gallons per acre, once every 10 days, no more than 3 times per month.

Strawberries: 3 to 6 gallons per acre once every 10 days after plants are well established, no more than 3 times per month.

Blueberries: 3 to 6 gallons per acre once every 10 days after plants are well established, no more than 3 times per month.

Caneberries: 3 to 6 gallons per acre once every 10 days after plants are well established, no more than 3 times per month.

MICRO-SPRINKLER (FAN JET)

Young Trees: 3 to 6 gallons per acre, once every 3 to 4 weeks.

Mature Trees: 5 to 18 gallons per acre, once every 2 to 4 weeks.

Young Vines: 3 to 6 gallons per acre, once every 2 to 4 weeks, starting at full leaf.

Mature Vines: 5 to 12 gallons per acre as required according to tissue analysis, once every 2 to 4 weeks, starting at full leaf.

OTHER APPLICATIONS

DIVERSE K can be soil injected or deep banded by itself or with nitrogen and phosphorus to supply crops with N, P, K and S requirements for the season. Deep banding can improve nutrient use efficiency by reducing nutrient loss due to erosion and soil fixation. *DIVERSE K* can also be broadcast sprayed on soil surface or surface banded between rows to help meet potassium and sulfur requirements. Follow soil and tissue test recommendations to apply the proper amount of potassium and sulfur.

APPLICATION PRECAUTIONS

- **DO NOT** apply *DIVERSE K* in drip or micro-irrigation systems where calcium and magnesium levels in the irrigation water are greater than 100 ppm due to potential plugging of emitters.
- **DO NOT** acidify *DIVERSE K* below a pH of 5.6.

HANDLING AND STORAGE

Minimize skin exposure. Store mini-bulks and smaller containers out of the sun in an area of moderate temperature. **DO NOT** reuse containers. Avoid containers, piping or fittings made of copper-containing alloys or galvanized metal. **DO NOT** store at temperatures below 15 °F as crystallization may occur. Finalize may be stored in plastic, fiberglass or stainless steel vessels.

Dispose of containers in accordance with local regulations and requirements.

IN CASE OF SPILL: Contain spill and maximize recovery. Keep spill out of water sources. Dispose of spilled material in accordance with regulatory requirements.

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

WARRANTY AND LIMITATION OF DAMAGES

INNVICTIS BioScience Plant Health Technologies warrants only that this product conforms to the product description on the label and is reasonably fit for the purposes stated in the Directions For Use. The Directions for Use of this product are believed to be adequate and must be followed carefully. It is, however, impossible to eliminate all risks associated with this product. Crop injury, ineffectiveness, or other unintended consequences may result due to such factors as weather conditions, presence or absence of other materials, or the manner or use or application, all of which are beyond the control of INNVICTIS BioScience Plant Health Technologies. All such risks must be assumed by the buyer or user. Except as warranted on this label, INNVICTIS BioScience Plant Health Technologies makes no representation, warranty or guarantee, whether expressed or implied including, but not limited to, warranty of merchantability, fitness for a particular purpose, or otherwise. No agent or representative of INNVICTIS BioScience Plant Health Technologies or the seller of the product is authorized to amend the terms of this Warranty disclaimer or the product's label or to make a representation or recommendation different or inconsistent with the label of this product. To the extent consistent with applicable law, INNVICTIS BioScience Plant Health Technologies' maximum liability for breach of its warranty or for use of this product, regardless of the form of action, shall not exceed the purchase price of this product. To the extent permitted by applicable law, INNVICTIS BioScience Plant Health Technologies shall not be liable for consequential, special or indirect damages resulting from the use, handling, application, storage, or disposal of this product or for damages in the nature of penalties, and the buyer and the user waive any right that they may have to such damages. If the warranty and liability limitations or disclaimer are not acceptable, return the unopened container to the place of purchase for full refund. To the extent not inconsistent with applicable law or the label, the purchase, delivery, acceptance and use of this product by the buyer is subject to the terms and conditions of seller's sales invoice for this product.

DC 51147961.2