SPER SAL® 35

Soil Conditioner

CAS REG. NO. 26099-09-2
For Agricultural Use Only

CONTAINS NON-PLANT FOOD INGREDIENTS:

Guaranteed Analysis:

Active Ingredient	35.0%	Polymaleic acid [2-Butenedioic Acid (2)-, Homopolymer]
Inert Ingredient	65.0%	Inert Ingredients

Covered by one or more of the following: U.S. Pat. Nos. 4,687,505; 4,923,500

NOT RECOMMENDED FOR USE AS A FERTILIZER SUBSTITUTE

UN3265, CORROSIVE LIQUIDS, ACIDIC, ORGANIC, N.O.S. (CONTAINS POLYMALEIC ACID), CLASS 8, PGIII, ERG GUIDE #153

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NOT A PLANT FOOD INGREDIENT.

For chemical emergency spill, leak, fire, exposure or accident, call CHEMTREC day or night. Domestic North America 800-424-9300. International call 703-527-3887 (collect calls accepted).

WARNING
May be corrosive to metals.
Causes serious eye irritation.

54 Gallons / 204.4 Liters
Density = 9.43 lb/gal at 68°F

LOT NO:

Aquatrols®
1273 Imperial Way • Paulsboro, NJ 08066 USA
1-800-257-7797 • www.aquatrols.com

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KEEP OUT OF REACH OF CHILDREN
WARNING
Read entire label for additional precautionary statements
FOR PROFESSIONAL OR INDUSTRIAL USE ONLY

GENERAL INFORMATION

SPER SAL 35 removes sodium from the root zone. Removing sodium from the root zone minimizes soil compaction, and allows for greater germination and root development.

SPER SAL 35 can be used in all types of irrigation systems — flood, furrow, drip, micro-jets and sprinklers. SPER SAL 35 can be applied in combination with liquid fertilizers (sidedress and water run), in-furrow at planting and broadcast sprayed on soil. In soils that have perched or high water tables, mechanical solutions to improve drainage may be necessary. For advice on improving drainage consult you local farm adviser.

Many factors influence the effects of salts on plants including climate, drainage, tillage, soil texture, water quality, seed variety, etc. SPER SAL 35 works best when all farming practices are at an optimum. For first time users a treated and control plot is recommended to establish performance levels. Soil analyses for electrical conductivity, calcium, magnesium, sodium, Sodium Adsorption Ratio (SAR), boron, and chloride are recommended. Contact your local supplier, farm adviser or independent laboratory for information showing crop tolerance to salts.

DIRECTIONS FOR USE

Multiple applications of SPER SAL 35 have achieved optimum results when applied during pre-irrigation, germination and in combination with liquid fertilizers. SPER SAL 35 is metered directly into irrigation water or applied in combination with liquid fertilizers. Whenever possible a pre-irrigation/leaching program is advised.

IRRIGATION

Flood: Meter recommended rate of SPER SAL 35 into irrigation water using a constant flow device to apply an even amount for the duration of the irrigation. SPER SAL 35 can also be diluted in water or mixed with compatible fertilizers and applied using a meter box. Systems using a gravity flow dispensing system must meter the material into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir box to decrease potential for water source contamination from backflow if water flow stops.

Furrow: Meter recommended rate of SPER SAL 35 into irrigation water using same requirements as **flood** method. NOTE: When using furrow irrigation hold the water long enough for the water to pass through the bed, moving the salts away from the seedline. To prevent injury to germinating seedlings pre-irrigation is recommended unless single row crops are irrigated on every other row.

Sprinkler: Meter the recommended rate of SPER SAL 35 injected into the system through a suction regulated line or metering injection pump for the entire duration of the germination water or water interval. DO NOT connect an irrigation system used for chemical application to a public water system unless the prescribed safety device for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Drip or Micro-Jets: Meter the recommended rate of SPER SAL 35 into the irrigation system using an injection metering device. To minimize the accumulation of mineral deposits in the emitters continuously apply 2 to 4 ppm in the irrigation water. In utilizing drip systems for leaching salts refer to the recommendations for individual crops.

The use of chlorine to minimize microbiological fouling is compatible with the use of SPER SAL 35. DO NOT mix concentrated SPER SAL 35 with chlorine sources such as bleach as chlorine gas will be generated. Consult your chlorine supplier for details.

Fertilizer Tank Mixes: SPER SAL 35 can be mixed with most liquid fertilizer solutions such as 10-34-0, A.N. 20, U.N. 32 and Can 17. Add SPER SAL 35 to tank mix last. Always do a jar test to check the compatibility with your fertilizer. SPER SAL 35 is not compatible with sulfuric acid.

In-Furrow Applications: Meter recommended rate of SPER SAL 35 to be mixed with water and/or a popup type liquid fertilizer. Minimum rate of total mix is 5 gallons per acre not to exceed 10 gallons per acre. Fertilizer portion not to exceed 70% of total mix. Placement of SPER SAL 35 should be in the bottom of the seed furrow so that the seed will be placed on top of the treated area as illustrated in the supplemental labeling. For in-furrow treatments apply SPER SAL 35 at the rate of ¼ to ½ gallon per acre maximum.

PRECAUTIONARY STATEMENTS

- Keep only in original container.
- Wear protective gloves/goggles.
- Wash contaminated skin thoroughly after handling.
- IF IN EYES: Rinse cautiously with water for 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical attention/advice.
- Store in corrosive resistant container with a resistant inner liner.

Applicators and other handlers should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove protective clothing and equipment after handling. Wash the outside of gloves before removing. Wash thoroughly and change into clean clothing.

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

IMPORTANT

Concentrated SPER SAL 35 is corrosive. Feeding equipment should be STAINLESS STEEL, PVC or NYLON. At label dosage rates in irrigation water, SPER SAL 35 will not harm aluminum sprinkler pipes, sprinkler pumps, metal components in drip irrigation systems or concrete ditches.

Since SPER SAL 35 may result in increased seed germination, it is important to consider weed control. SPER SAL 35 improves water infiltration, thus herbicide performance for products that have high soil mobility characteristics may be affected when tank mixed with SPER SAL 35. A jar test to check compatibility between your herbicide and SPER SAL 35 should be conducted before tank mixing. Herbicide performance is not affected when applied sequentially with SPER SAL 35 or when SPER SAL 35 is applied in furrow. Consult your supplier about coordinating your herbicide applications.

IMPORTANT: SPER SAL 35 is designed for soils that are marginally affected by soils and are losing approximately 10-30% of production. For use in soils between 2.0-20.0 mmhos and SARs of 15-30. Soils with values greater than these typically will not grow any crops with profitable production levels. Under these conditions a reclamation project is necessary. SPER SAL 35 can be used for reclamation with varying application rates. Please consult your local supplier for specific recommentations.