

00-00-62

Muriate of Potash (Potassium Chloride)

Water Soluble Fertilizer

GUARANTEED ANALYSIS

Soluble Potash (K₂O) 62.00%

Derived From: Muriate of Potash

GENERAL INFORMATION

Plants need balanced nutrition to THRIVE, just like people. One of the important nutrients for plant growth and development is Potassium (K), which is a component of most standard lawn fertilizers. To use Potassium fertilizers correctly, it is important to understand how Potassium functions in plants, and how to recognize the signs of Potassium deficiency.

POTASSIUM FUNCTION IN PLANTS

Potassium is integral to many growth processes in plants, including: *photosynthesis, starch and protein production, enzyme reactions, water movement, protein synthesis, cell wall components and fruit development.*

RECOGNIZING POTASSIUM DEFICIENCIES

Potassium deficiency is a serious problem for all plants, because it is involved in so many different plant processes. Plants experiencing potassium deficiencies will show the following symptoms:

- Yellowing and curling of edges of lower leaves.
- Sometimes leaves will turn purple.
- More likely to occur in times of drought stress.
- Leaf edges look burned.

Sandy soils tend to be more deficient in Potassium because it is leached easily from soils that do not have a high CEC (Cation Exchange Capacity). Soils with a low pH (acidic soils) sometimes have enough Potassium, but it is not available to plants. It is important to test the soil pH to see if the Potassium is there, but not available.

Net Wt. 50 Lbs. (22.68 Kgs.)

BS006250

Sample Label

DIRECTIONS FOR USE

THRIVE Water Soluble Muriate of Potash is formulated for maximum water solubility. It is ideal for use in solutions, suspensions, fertigation, and foliar applications. The recommended application rate is provided as a general guide. For best results, contact a trained soil specialist for the allowable application rate of this product.

RATE OF PRODUCT

Desired Potassium	Lbs. To Apply Per Acre	Lbs. To Apply Per 1000 Sq. Ft.	1 Ton of Product Covers	1 Bag of Product Covers
1.50 Lb(s).	105.42	2.42	18.97 Acre(s)	20,661 Sq. Ft.
1.00 Lb(s).	70.13	1.61	28.52 Acre(s)	31,056 Sq. Ft.
0.75 Lb(s).	52.71	1.21	37.94 Acre(s)	41,322 Sq. Ft.
0.50 Lb(s).	35.28	0.81	56.69 Acre(s)	61,728 Sq. Ft.
Product Weight: 78 Lbs./Cu.Ft.			SGN Size: 25	

For use as a potassium supplement to correct soil deficiencies or as part of a sound nutritional program. Apply no more than one pound of potash per 1,000 Sq. Ft. in any single application. Actual rates and timing of applications will vary with weather, soil and turf conditions.

COVERAGE: 1 - 50 pound bag of 00-00-62 covers approximately 31,056 Sq. Ft. at the application rate of one pound of potash (1.61 lbs. of actual product) per 1,000 sq. ft.

PROPERTIES OF POTASSIUM CHLORIDE SOLUTION

Desired % K ₂ O Solution	Lbs. 62% KCL per CWT	Lbs. H ₂ O at 60° F per CWT	Gal H ₂ O at 60°F	Salt Out Temp	H ₂ O Temp for Immediate Dissolution
10%	15.9	84.1	10.09	18°F	35°F
11%	17.5	82.5	9.9	16°F	35°F
12%	19	81	9.72	13°F	35°F
13%	20.6	79.4	9.54	24°F	48°F
14%	22.2	77.8	9.34	36°F	62°F
15%	23.8	76.2	9.14	50°F	79°F

FACTORS AFFECTING SOLUBILITY

Water Temperatures - The higher the water temperature, the higher the solubility of Muriate of Potash. Muriate of Potash solutions will tend to salt out as temperature decreases.

Agitation - Speed of dissolution increases with agitation. Muriate of Potash should be slowly mixed into turbulent water and not allowed to collect on the bottom of the mixing tank.

Precautions - Determine compatibility with other fertilizers and/or pesticides by use of jar test before tank mixing.

NOTE: For fertilizer application rates suitable for your geographical area or the maximum allowable non-nutrient application rates per acre, consult a trained soil specialist (local horticulturist) or contact the manufacturer or distributor.

For Golf Courses follow the BMP at:

<http://www.dep.state.fl.us/water/nonpoint/qlfbmp07.pdf>

Please follow the Best Management Practice for Florida Green Industries at:

http://www.dep.state.fl.us/central/HomeMeetingsTraining/FLGreen/BMP_Book_final.pdf



FIRST AID

May cause eye or skin irritation (particularly in sensitive persons). May be harmful if swallowed. Product users should wash thoroughly after using or handling this product. In case of eye contact, flush eyes with running water for at least 15 minutes. In case of skin contact, wash from skin with soap and water. In case of ingestion, dilute with water or milk. If necessary, induce vomiting only when victim is conscious. Call a physician.

STORAGE AND CONTAINER DISPOSAL

- Do not contaminate potable water, ponds, food or feed by storage or disposal. Store in a dry place. Protect bags or other containers from damage. Keep bags or other containers closed when not in use. Do not store where children or animals may gain access.

- Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

CAUTION - Keep out of reach of children.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, the Warranty Disclaimer and Limitation of Liability before using this product. By using this product, user or buyer accepts the following Warranty Disclaimer and Limitation of Liability.

LIMITS OF WARRANTY: MEARS FERTILIZER, INC. and seller warrant that this product conforms to the chemical description on the label and is reasonably fit for the purpose stated on such label only when used in accordance with the directions under normal use conditions. Except as specifically stated below, NO WARRANTIES, WHETHER EXPRESSED OR IMPLIED, ARE MADE WITH RESPECT TO THE PRODUCT OR ITS USE, AND NO AGENT OF THE MANUFACTURER OR OF THE SELLER IS AUTHORIZED TO DO SO.

Buyer and user of this product assume all responsibility for handling, storage and use not in accordance with directions. It is impossible to eliminate all risks inherently associated with the use of the product. Plant injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond manufacturer's and seller's control. In no case shall the manufacturer or seller be liable for consequential, special or indirect damages resulting from the use or handling of this product.

Manufactured and Guaranteed By:

Mears Fertilizer, Inc. - P.O. Box 1271

El Dorado, KS 67042 - Phone: (800) 345-9143