

nutricote[®] total

APPLICATION RATES FOR THE GREENHOUSE

18-6-8 WITH MINOR NUTRIENTS

NUTRICOTE Controlled Release Fertilizer, because of its precise control of release and variety of release TYPES, is ideally suited to greenhouse application on a number of greenhouse crops such as:

POTTED FLOWERING CROPS, HANGING BASKETS, ANNUALS, CUT FLOWERS GROWN IN BEDS

18-6-8 RECOMMENDED APPLICATION RATES FOR THE GREENHOUSE

NUTRICOTE MEASURES: 1 Teaspoon = 5 Grams, 1 Tablespoon = 15 Grams, 1 Cup = 240 Grams

TYPE		TYPE 70			TYPE 100			TYPE 140		
RELEASE TIME ESTIMATE		70 days @ 77 F			100 days @ 77 F			140 days @ 77 F		
INCORPORATION RATES Pounds per Cubic Yard		Low	Med	High	Low	Med	High	Low	Med	High
		2	4.5	7.5	3	6.5	11	4.5	8	12
TOPDRESS RATES Grams per Container										
Container Diameter & Size	Containers per Cubic Yard	Low	Med	High	Low	Med	High	Low	Med	High
4" Azalea	1780	1	1	2	1	2	3	1	2	3
4" Std. Round	1590	1	1	2	1	2	3	1	2	3
5" Azalea	840	1	2	4	2	4	6	2	4	6
5" Std. Round	700	1	3	5	2	4	7	3	5	8
6" Hanging Basket	620	1	3	5	2	5	8	3	6	9
6" Azalea	490	2	4	7	3	6	10	4	7	11
6" Std. Round	405	2	5	8	3	7	12	5	9	13
8" Hanging Basket	320	3	6	11	4	9	16	6	11	17
8" Azalea	215	4	10	16	6	14	23	10	17	25
8" Std. Round	160	6	13	21	9	18	31	13	23	34
10" Hanging Basket	160	6	13	21	9	18	31	13	23	34
10" Azalea	110	8	19	31	12	27	45	19	33	50
10" Std. Round	80	11	26	43	17	37	62	26	45	68
TOPDRESS BEDS, LARGE CONTAINERS, or INCORPORATING MEDIA ON A SLAB Pounds per 100 square feet (Minimum 8 inch depth)		Low	Med	High	Low	Med	High	Low	Med	High
		5	11	19	7	16	27	11	20	30

When a Nutricote TYPE is used at a constant 77°F, the TYPE number estimates the number of days for that TYPE to release 80% of the initial Nitrogen. Cooler than 77°F average temperatures will lengthen release time, and warmer than 77°F temperatures will shorten release time. If crops are to be grown in an uncovered range or nursery setting, consult Agrivert's regional recommendations for release times and application rates.

USING A COMBINATION OF NUTRICOTE AND LIQUID FEED

A combination feed program provides consistent day-to-day release from NUTRICOTE and the capacity to adjust plant growth with liquid feed. When using a combination program, use 1/2 of the high or recommended rate of NUTRICOTE and feed with a liquid fertilizer at 1/2 the rate normally used.

For example, if 200 ppm nitrogen is the normal rate of liquid feed used - use 100 ppm nitrogen liquid feed in combination with NUTRICOTE.

The liquid feed should be adjusted up or down according to the plants' needs. These rates are to be used as a guide only. Individual grower cultural practices and plant species may vary rates slightly. Before using in full production, a trial of this product is recommended to determine the suitability of the product for the intended use.

SELECTION OF APPROPRIATE RATES

Low for Low Feeding or Sensitive Crops: Rhododendron, Azalea, Gardenia, Ferns, Orchids, Forestry Seedlings, Greenhouse Vegetables, African Violets, or with liquid feed.
Med for Medium Feeding Crops: Nursery Crops, Cut Flower Crops, Bedding Plants, Woody Ornamentals.
High for Heavy Feeding Crops: Most Pot Crops, Most Foliage Crops.



nutricote® *total*

18-6-8 WITH MINOR NUTRIENTS CONTROLLED RELEASE FERTILIZER

GUARANTEED ANALYSIS

Total Nitrogen (N)*	18%
8.6% Ammoniacal Nitrogen	
9.4% Nitrate Nitrogen	
Available Phosphate (P ₂ O ₅)*	6%
Soluble Potash (K ₂ O)*	8%
Total Magnesium (Mg)*	1.2%
1.2% Water Soluble Magnesium (Mg)	
Boron (B)*	0.02%
Copper (Cu)*	0.05%
Iron (Fe)*	0.20%
0.20% Chelated Iron (Fe)	
Total Manganese (Mn)*	0.06%
0.06% Water Soluble Manganese (Mn)	
Molybdenum (Mo)*	0.02%
Chlorine (Cl)* not more than	1%

Derived From:

Ammonium Nitrate, Ammonium Phosphate, Calcium Phosphate, Copper Sulfate, Ferrous Ethylenediamine Tetraacetate, Magnesium Sulfate, Manganese Sulfate, Potassium Nitrate, Sodium Borate, and Sodium Molybdate.

* The Nitrogen (N), Phosphorus (P₂O₅), Potassium (K₂O), Magnesium (Mg), Boron (B), Copper (Cu), Iron (Fe), Manganese (Mn) and Molybdenum (Mo) sources have been coated to provide 18% coated slow release nitrogen, 6% coated slow release available phosphate, 8% coated slow release soluble potash, 1.2% coated slow release magnesium, 0.02% coated slow release boron, 0.05% coated slow release copper, 0.20% coated slow release iron, 0.06% coated slow release manganese and 0.02% coated slow release molybdenum.

NUTRICOTE MEASURES

1 Teaspoon = 5 Grams, 1 Tablespoon = 15 Grams, 1 Cup = 240 Grams

SELECTION OF APPROPRIATE RATES

Low for Low Feeding or Sensitive Crops: Rhododendron, Azalea, Gardenia, Ferns, Orchids, Forestry Seedlings, Greenhouse Vegetables, African Violets, or with liquid feed.

Med for Medium Feeding Crops: Nursery Crops, Cut Flower Crops, Bedding Plants, Woody Ornamentals.

High for Heavy Feeding Crops: Most Pot Crops, Most Foliage Crops.

DESCRIPTION

Nutricote is a homogeneous fertilizer coated with a unique pliable resin that allows very predictable release rates. All of the primary, secondary and minor nutrients are contained in each individual prill. Release period is Specified by **TYPE**. Actual rate of release of Nutricote is determined by temperature, slowing down in cool weather and releasing more quickly under warmer temperatures. Consult **TYPE** and rate recommendations below, and Directions For Use. Moisture, pH, soil type or microbial activity does not significantly affect Nutricote release.

DIRECTIONS FOR USE

Appropriate **TYPE** and application rate varies depending upon growing temperatures and crop need.

Using the Nutricote Region map, identify the Nutricote Region number appropriate for the application (Region 1,2,3,4 or Greenhouse). Check the Release Time Estimate section of the Nutricote Application Rate table to ensure the **TYPE** is appropriate for the desired period of nutrient release.

Use the appropriate **TYPE** column for application rates. If topdressed, water must pass over prills to carry nutrients into the media or soil. Use a higher rate if applied to soil or media that is sandy, with good drainage and low Cation Exchange Capacity. Decrease rates with clay, poor drainage or high Cation Exchange Capacity soil or media or liquid feed. This information and the application rates recommended should be used as a guideline in developing a fertilization program. Before using in full production, a trial of this product is recommended to determine the suitability of the product for the intended use. This product is designed for a single application only.

PROPER HANDLING OF NUTRICOTE

Nutricote's POLYOLEFIN COATING controls nutrient release. Careful handling to avoid damage to this coating is essential. Nutricote will lose its ability to control nutrient release if the coating is damaged. Do not use blenders, mixers or applicators that may damage the coating membrane.

SOIL STERILIZATION

Do not apply Nutricote prior to steam sterilization.

STORAGE OF MEDIA WITH INCORPORATED NUTRICOTE:

Growing mixes containing Nutricote can be stored for up to one month if temperatures are below 50°F. Otherwise mixes containing Nutricote should be used immediately after incorporation and irrigated.

ADDITIONAL NUTRIENT REQUIREMENTS:

Nutricote Total contains nitrogen, phosphorus, potassium, boron, copper, iron, manganese and molybdenum in each fertilizer granule. This fertilizer does not supply calcium or sulfur and these elements should be supplied from other fertilizer sources. If weather is cool at planting, there may be a lag phase before Nutricote starts releasing, particularly with longer release **TYPE**S. If this is the case, consider using a Nutricote Blend or supplying quick releasing starter fertilizers for faster up front release. For additional information call Agrivert at 1-800-675-8263.

CAUTION

Harmful if swallowed. Keep out of reach of children. Store under cool dry conditions.

WARNING:

This fertilizer contains molybdenum (Mo). The application of fertilizers containing molybdenum may result in forage crops containing levels of molybdenum, which are toxic to ruminant animals.

IMPORTANT NOTICE: Disclaimer and Limitation of liability

Although research for the product has been carried out to provide necessary data to support its uses, the product might not have been tested for all species or cultivars nor under all variables in growing conditions. The purchaser should exercise caution when using this Product until purchaser becomes familiar with the Product's performance on a given crop under the purchaser's growing conditions.

Chisso-Asahi, the manufacturer of the Product (the "Manufacturer"), expressly warrants that the Product conforms to the chemical analysis set forth on the label. Agrivert, Inc. is the Distributor of the Product (the "Distributor").

EXCEPT FOR THE EXPRESS LIMITED WARRANTY STATED ABOVE, NEITHER THE MANUFACTURER NOR THE DISTRIBUTOR GRANTS ANY WARRANTIES WITH RESPECT TO THE ACCOMPANYING PRODUCT, EITHER EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE STATED EXPRESS LIMITED WARRANTY IS IN LIEU OF ALL OTHER LIABILITIES OR OBLIGATIONS OF THE MANUFACTURER OR DISTRIBUTOR (EITHER EXPRESS, IMPLIED OR ARISING BY OPERATION OF LAW) ARISING OUT OF OR IN CONNECTION WITH THE MANUFACTURE, SALE, DELIVERY, USE, HANDLING, STORAGE, OR PERFORMANCE OF THE PRODUCT. THE MANUFACTURER AND DISTRIBUTOR EXPRESSLY DISCLAIM ANY RESPONSIBILITY FOR CONSEQUENTIAL DAMAGES OF ANY KIND OR NATURE.

The exclusive remedy available for breach of this warranty, whether or not occasioned by the Manufacturers negligence, shall be replacement of the non-conforming goods. By accepting and using this Product, the purchaser is deemed to have understood and accepted all of the foregoing disclaimers and conditions.

© MANUFACTURED BY:
CHISSO-ASAHI FERTILIZER CO., LTD.
TOKYO, JAPAN

DISTRIBUTED BY:
Sun Gro Horticulture Distribution Inc.
15831 N.E. 8th Street, Suite 100, Bellevue, WA 98008

AVAILABLE THROUGH:

