



# 21-5-6

## Super Iron Topdress

### with GAL-Xe ONE

**U.S. STANDARD**

**GUARANTEED ANALYSIS:**

TOTAL NITROGEN (N)	21.00%
2.00% Ammoniacal Nitrogen	
19.00% Urea Nitrogen*	
AVAILABLE PHOSPHATE (P <sub>2</sub> O <sub>5</sub> )	5.00%
SOLUBLE POTASH (K <sub>2</sub> O)	6.00%
Magnesium (Mg)	0.50%
Sulfur (S)	2.00%
Copper (Cu)	0.05%
Iron (Fe)	6.00%
Manganese (Mn)	0.05%
Molybdenum (Mo)	0.001%
Zinc (Zn)	0.05%

Derived from polymer-coated urea, monoammonium phosphate, ammonium sulfate, sulfate of potash, muriate of potash, magnesium carbonate, magnesium oxide, magnesium sulfate, copper oxide, copper sulfate, ferric oxide, ferrous sulfate, iron oxysulfate, iron sucrate, manganese oxide, manganese sulfate, sodium molybdate, zinc oxide and zinc sulfate.

\*19.00% slowly available urea nitrogen from polymer-coated urea.

**DESCRIPTION:** UP TO 4 TO 5 MONTH ◊ PROFESSIONAL CONTROLLED RELEASE FERTILIZER FOR TOPDRESSING, BROADCAST, OR INCORPORATION APPLICATION OF TREES AND SHRUBS.

KEEP OUT OF REACH OF CHILDREN

**DANGER**



HARMFUL IF SWALLOWED. CAUSES EYE IRRITATION. MAY CAUSE RESPIRATORY IRRITATION. MAY CAUSE CANCER.  
**PRECAUTIONARY STATEMENTS:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust. Wash hands, forearms and face thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. If exposed or concerned, get medical attention.

**PERSONAL PROTECTIVE EQUIPMENT:** Wear protective gloves / protective clothing / eye protection / face protection.  
**FIRST AID: IF SWALLOWED** Rinse mouth. Call a poison center / doctor, if you feel unwell. **IF INHALED** Remove person to fresh air and keep comfortable for breathing. Call a poison center / doctor if you feel unwell. **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 attention.

**STORAGE AND DISPOSAL: STORAGE** Store in a well-ventilated place. Keep container tightly closed. Store locked up. **DISPOSAL** Dispose of contents / container in accordance with local / regional / national regulations

**BENEFITS:**

- 19.00% slowly available urea nitrogen is coated slow release for predictable response as shown in the table titled SOIL/MEDIA TEMPERATURE RELEASE RATES.
- Release of nitrogen is by diffusion.
- Release of nitrogen is not significantly affected by media type, moisture level, pH, or microbial activity.

**SOIL / MEDIA TEMPERATURE RELEASE RATES**

50°F =	6-7 month
60°F =	5-6 month
70°F =	4-5 month ◊
80°F =	3-4 month

**APPLICATION RATES:** (Call for rates on larger containers.)  
 Use LOW rate for low feeding, sensitive plants or under high soil temperatures.  
 Use MEDIUM rate for medium to moderately heavy feeding plants.  
 Use HIGH rate only for heavy feeding hardy plants.  
 These application rates are based on the average temperature at the fertilizer location of 70°F.  
 Increase fertilizer application rates by 20% if average monthly temperatures are lower than 60°F.  
 Lower application rates by 20% if average monthly temperatures are greater than 80°F.

CONVERSION TABLE

DRY MEASURE			APEX <sup>®</sup> SPOONS					
Level Measure	Grams	Oz (Wt.)	Size	Grams	Oz (Wt.)	Size	Grams	Oz (Wt.)
1 teaspoon (tsp.)	5.66	0.20	1	10.54	0.37	5	32.25	1.14
1 tablespoon (tbsp.)	17.82	0.63	2	15.14	0.53	6	48.34	1.70
1/4 cup	57.84	2.04	3	19.23	0.68	7	59.55	2.10
1/2 cup	116.60	4.10	4	23.36	0.82	8	74.79	2.64

TOPDRESS CONTAINER:	VOLUME (gal.)	DIAMETER	LOW	MEDIUM	HIGH
Nutrient Requirements / Uniformly apply (topdress) product onto the container surface using the amounts listed.	1 gallon	6 inches	3 g	6 g	9 g
	2 gallons	8 inches	7 g	13 g	19 g
	3 gallons	10 inches	11 g	22 g	33 g
	5 gallons	12 inches	18 g	36 g	54 g
	7 gallons	14 inches	26 g	52 g	78 g
	10 gallons	17 inches	46 g	91 g	136 g
	15 gallons	18 inches	60 g	120 g	180 g

**INCORPORATION:** Plant Nutrient Requirements / Uniformly mix (incorporate) nursery fertilizer into potting media as follows:

<b>POUNDS PER CUBIC YARD</b>	LOW 3	MED 6	HIGH 9
<b>PLANTING BED:</b> Plant Nutrient Requirements (incorporate if possible or use lower rates) as follows:			
<b>POUNDS PER 100 SQ. FT.</b>	LOW 1	MED 2	HIGH 4

**APPLICATION PRECAUTIONS:**

- Trial before use of this product under your local growing conditions, application methods, and desired rates. Avoid application to plants under stress.
- If mixed media is not used within one week, leach thoroughly before using.
- Product left in media for more than one week will lose longevity resulting in reduced release time and wasted controlled release fertilizer.
- Avoid the use of media processing equipment that could change the integrity of the polymer coating.
- Avoid mounding of fertilizer against base of plant.
- Iron and other plant nutrients can cause staining of cement.
- Keep away from pools, ponds, and other bodies of water.
- When using potting media with higher cation exchange capacities use lower recommended rates of this formulation.
- When using supplemental liquid feed reduce the rate of this formulation accordingly.
- Do not incorporate into media prior to steam sterilization.
- This product is not recommended for dibble applications.
- To avoid buildup of soluble salts, occasional leaching may be necessary.
- **ATTENTION:** Application of fertilizer materials containing Molybdenum (Mo) may result in forage crops containing levels of Molybdenum (Mo) that are toxic to ruminant animals.

**ATTENTION:** This product can expose you to chemicals including cadmium which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.regulatory-info-jr.com>

**DISCLAIMER OF WARRANTIES J.R. Simplot Company** warrants that the composition of this product conforms to the description and is reasonably fit for the purpose as stated on the label only when used in accordance with label directions under normal conditions of use. This warranty is expressly in lieu of all other warranties and representations expressed, implied, or statutory, including warranties of merchantability and fitness for a particular use. Timing, rate and method of application, weather and crop conditions, and mixtures not specifically recommended on this label or an accompanying written recommendation, are beyond the control of the seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. Buyer further agrees that, in the event of damages resulting from, but not limited to, weather or soil conditions, presence of other materials, or failure to follow label directions, responsibility will be assumed by the buyer or user; and to accept a replacement of the product or a refund of the purchase price of the product, at buyer's option, as full discharge of seller's liability. No one is authorized to make any other warranty, guarantee or directions concerning this product, and no such warranties, guarantees or directions shall be valid or binding upon seller.

**U.S.A Trademark designation:** 20044\_20200209  
 Simplot<sup>®</sup>, GAL-XE<sup>ONE</sup><sup>®</sup> and APEX<sup>®</sup> are registered trademarks of the J.R. Simplot Company.

**U.S. STANDARD - NET WEIGHT 50 LB. (22.68 KG.)**



J.R. Simplot Company  
 Professional Products  
 P.O. Box 198 • Lathrop, CA 95330 • (208)336-2110  
 IN CASE OF EMERGENCY CALL CHEMTREC 1-800-424-9300

Product Datasheets, SDS and other information on APEX<sup>®</sup> products are available at [www.apexfertilizer.com](http://www.apexfertilizer.com)

**Item# 74416150**



# 21-2.19-4.98

## Super Iron Topdress

### with GAL-Xe ONE

**ELEMENTAL**

**GUARANTEED ANALYSIS:**

TOTAL NITROGEN (N)	21.00%
2.00% Ammoniacal Nitrogen	
19.00% Urea Nitrogen**	
TOTAL PHOSPHORUS (P)	2.19%
TOTAL POTASSIUM (K)	4.98%
Magnesium (Mg)	0.50%
Sulfur (S)	2.00%
Copper (Cu)	0.05%
Iron (Fe)	6.00%
Manganese (Mn)	0.05%
Molybdenum (Mo)	0.001%
Zinc (Zn)	0.05%

Derived from polymer-coated urea, monoammonium phosphate, ammonium sulfate, sulfate of potash, muriate of potash, magnesium carbonate, magnesium oxide, magnesium sulfate, copper oxide, copper sulfate, ferric oxide, ferrous sulfate, iron oxysulfate, iron sucrate, manganese oxide, manganese sulfate, sodium molybdate, zinc oxide and zinc sulfate.

\*\*19.00% slowly available urea nitrogen from polymer-coated urea.

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**BENEFITS:**

- 19.00% slowly available urea nitrogen is coated slow release for predictable response as shown in the table titled SOIL/MEDIA TEMPERATURE RELEASE RATES.
- Release of nitrogen is by diffusion.
- Release of nitrogen is not significantly affected by media type, moisture level, pH, or microbial activity.

**SOIL / MEDIA TEMPERATURE RELEASE RATES**

10.0°C =	6-7 month
15.5°C =	5-6 month
21.0°C =	4-5 month ◊
26.5°C =	3-4 month

**APPLICATION RATES:** (Call for rates on larger containers.)  
 Use LOW rate for low feeding, sensitive plants or under high soil temperatures.  
 Use MEDIUM rate for medium to moderately heavy feeding plants.  
 Use HIGH rate only for heavy feeding hardy plants.  
 These application rates are based on the average temperature at the fertilizer location of 21.0°C.  
 Increase fertilizer application rates by 20% if average monthly temperatures are lower than 15.5°C.  
 Lower application rates by 20% if average monthly temperatures are greater than 26.5°C.

CONVERSION TABLE

DRY MEASURE			APEX <sup>®</sup> SPOONS					
Level Measure	Grams	Oz (Wt.)	Size	Grams	Oz (Wt.)	Size	Grams	Oz (Wt.)
1 teaspoon (tsp.)	5.66	0.20	1	10.54	0.37	5	32.25	1.14
1 tablespoon (tbsp.)	17.82	0.63	2	15.14	0.53	6	48.34	1.70
1/4 cup	57.84	2.04	3	19.23	0.68	7	59.55	2.10
1/2 cup	116.60	4.10	4	23.36	0.82	8	74.79	2.64

TOPDRESS CONTAINER:	VOLUME (mm)	LOW	MEDIUM	HIGH
Nutrient Requirements / Uniformly apply (topdress) product onto the container surface using the amounts listed.	100 mm	0.5 g	1.0 g	1.5 g
	125 mm	1.0 g	2.0 g	3.0 g
	150 mm	2.0 g	4.0 g	6.0 g
	175 mm	4.0 g	7.0 g	10.0 g
	200 mm	5.0 g	10.0 g	15.0 g
	250 mm	11.0 g	23.0 g	35.0 g
	300 mm	16.0 g	32.0 g	48.0 g

**INCORPORATION:** Plant Nutrient Requirements / Uniformly mix (incorporate) nursery fertilizer into potting media as follows:

<b>KILOGRAMS PER CUBIC METRES</b>	LOW 2	MED 3.5	HIGH 5
<b>PLANTING BED:</b> Plant Nutrient Requirements (incorporate if possible or use lower rates) as follows:			
<b>KILOGRAMS PER 100 SQ. METRES</b>	LOW 6	MED 12	HIGH 18

**APPLICATION PRECAUTIONS:**

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- Keep away from pools, ponds, and other bodies of water.
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- When using supplemental liquid feed reduce the rate of this formulation accordingly.
- Do not incorporate into media prior to steam sterilization.
- This product is not recommended for dibble applications.
- To avoid buildup of soluble salts, occasional leaching may be necessary.
- **ATTENTION:** Application of fertilizer materials containing Molybdenum (Mo) may result in forage crops containing levels of Molybdenum (Mo) that are toxic to ruminant animals.

**DISCLAIMER OF WARRANTIES J.R. Simplot Company** warrants that the composition of this product conforms to the description and is reasonably fit for the purpose as stated on the label only when used in accordance with label directions under normal conditions of use. This warranty is expressly in lieu of all other warranties and representations expressed, implied, or statutory, including warranties of merchantability and fitness for a particular use. Timing, rate and method of application, weather and crop conditions, and mixtures not specifically recommended on this label or an accompanying written recommendation, are beyond the control of the seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. Buyer further agrees that, in the event of damages resulting from, but not limited to, weather or soil conditions, presence of other materials, or failure to follow label directions, responsibility will be assumed by the buyer or user; and to accept a replacement of the product or a refund of the purchase price of the product, at buyer's option, as full discharge of seller's liability. No one is authorized to make any other warranty, guarantee or directions concerning this product, and no such warranties, guarantees or directions shall be valid or binding upon seller.

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**ELEMENTAL - NET WEIGHT 22.68 KG.**



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Product Datasheets, SDS and other information on APEX<sup>®</sup> products are available at [www.apexfertilizer.com](http://www.apexfertilizer.com)