

Sprint® 138

IRON CHELATE MICRONUTRIENT

- For correction of iron deficiency in alkaline and calcareous soils.
- For use in nurseries, gardens, landscape plantings and turf.

4-0-0

Guaranteed analysis:

Total Nitrogen (N).....4%
 4% Water Soluble Nitrogen
 Derived from: Sodium iron EDDHA
 Iron (Fe).....6%
 6% Chelated Iron (Fe)
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(F002177)

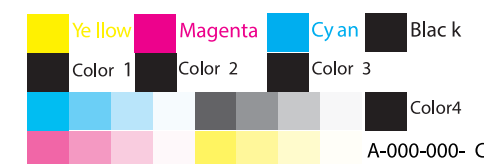
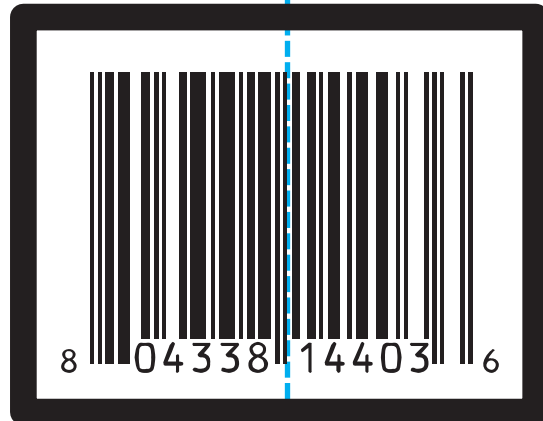
**FOR PROFESSIONAL USE ONLY
 Keep Out of Reach of Children**

This product does not require a hazard warning in accordance with GHS criteria.

**Net Contents: 5 Pounds (2.26 Kilograms)
 Net Weight: 5 Pounds (2.26 Kilograms)**

NVA 2022-05-0685-0179 - 67650615

Guaranteed by:
 BASF Corporation
 26 Davis Drive
 Research Triangle Park, NC 27709



NVA 2022-05-0685-0179

BASF- 67650615

Sprint 138 - 5lb.

Rev. 2/15/22

67650615
SPRINT 138 - 5lb.
 NVA 2022-05-0685-0179

B-207-003-F



EMERGENCY CONTACT: CHEMTREC 1-800-424-9300 BASF Corporation 1-800-882-HELP (4357)

Storage and Disposal

Storage and Handling: Segregate from foods and animal feeds. Keep only the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect containers from physical damage. Protect against contamination. Protect from temperatures below 0°C (32°F) or above 45°C (113°F). Changes in the properties of the product may occur if substance/product is stored outside of the indicated temperature window for extended periods of time.

Waste Disposal of Substance: Must be disposed of or incinerated in accordance with local regulations.

Container Disposal: Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

Accidental Release Measures: DO NOT discharge into the subsoil/soil. DO NOT discharge into drains/surface waters/groundwater. For small amounts: Contain with dust binding material and dispose of. For large amounts: Sweep/shovel up. Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

State Right To Know Description and CAS # / TSN
 Phenol / 108-95-2

Conditions of Sale and Warranty

The Directions For Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer. BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions For Use, subject to the inherent risks, referred to above. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S EXCLUSIVE REMEDY AND BASF'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, EXEMPLARY, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing Conditions of Sale and Warranty that may be varied only by agreement in writing signed by a duly authorized representative of BASF.

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20220214 NVA 2022-04-0685-0053
 Supersedes: SPRINT 138 SPEC 2019-04

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 26 Davis Drive
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Product Information

Sprint® 138, a source of iron in a form readily available to plants, can be applied as a soil application or as a foliar spray to correct iron deficiencies. As a soil application, **Sprint 138** is effective over a wide pH range, including soils where pH is 7.0 and above. **Sprint 138** contains ortho-ortho, providing a highly efficient chelate that will keep working to "shuttle iron" from the soil to the plant for an extended period of time. Application rates will depend upon the severity of the deficiency but should be kept within the recommended range for each plant type. Unless specified differently, best results will be obtained when applications are made early in the plant growth cycle.

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

Wisconsin Users: Iron deficiency has rarely been observed on field or vegetable crops in Wisconsin, except that iron chlorosis has occasionally been observed on soybeans grown on alkaline soils (pH above 7.0). Do not use this product on any crop listed on this label unless an iron deficiency has been confirmed by plant analysis or visual deficiency symptoms. For further information on confirming iron deficiencies, contact University of Wisconsin Extension personnel.

Directions For Use

Soil application: To be effective as a soil application, **Sprint 138** must get into the root zone. It can be incorporated in the root zone during application or it can be moved into the root zone by rainfall or irrigation. **Sprint 138** can be applied as a drench, injected directly into the soil or banded. For plants grown in rows, soil applications are most effective when made as a band, placed in the soil at planting time, or as a side dressing shortly after plants emerge or after transplanting. **Sprint 138** can be applied alone or in combination with dry or liquid fertilizers. To obtain uniform distribution, it can be mixed with inert materials such as sand or dry soil and uniformly distributed over the soil surface around the plants. When applied to the soil around trees, apply within the drip line and slightly incorporate into the soil or water in. **Sprint 138** can be used at any time, but application in the spring or around planting time is preferred because (1) spring rains will move it into the root zone, and (2) iron will be available during the early flush of growth. Injection into the irrigation water provides a good after-planting method of application.

Foliar application: Applications in water should be made as thorough cover sprays following the directions given below. Addition of up to 0.5% wetting agent (1 pint per 25 gallons spray) to the solution may help insure uniform distribution. **Sprint 138** is compatible with most pesticides registered for pest control and the large number of fertilizers. However, because of the large number of pesticides registered for pest control and the large number of fertilizers, a small test area should be sprayed to determine that no phytotoxicity or undesired effects result from the combination spray before applying to large plant areas. To facilitate mixing, it is suggested that the required amount of **Sprint 138** be added to a small amount of water and mixed until completely dissolved. The pre-mix solution can then be added, using agitation, to the final water or liquid fertilizer solution.

Applications and Rates

TREE FRUITS AND NUTS

Almonds, Apples, Apricots, Cherries, Nectarines, Pecans, Plums, Prunes, and Walnuts
Foliar sprays: Mix 1-1½ lbs per 100 gallons of water and apply as a thorough cover spray prior to bloom or after harvest. To avoid possible injury to plants, do not use in combination with oils.

Apples, Apricots, Avocados, Cherries, Macadamias, Nectarines, Peaches, Pears, Plums, Prunes and Walnuts
Soil applications: Mix ½-2 oz per tree for each inch of trunk diameter measured at chest height but do not apply more than 1 lb per tree. Apply in the spring, either prior to or at the time of new spring growth evenly within the drip line.

Peaches and Pears only

Foliar spray: Mix 1-3 lbs per 100 gallons of water and apply as a thorough cover spray about 4-5 weeks after full bloom. If the deficiency is severe, apply 1-2 additional sprays at 2-3-week intervals. To avoid possible injury to plants, do not use in combination with oils.

CITRUS

Foliar spray: Mix 1 lb per 100 gallons of water and apply as a thorough cover spray any time after harvest of the main crop and up until bloom of the succeeding main crop. Do not apply when

Greenhouse and Nursery Specialized Applications

Parts per million (PPM) actual Fe	Drench Rate Guidelines				Irrigation Injection Rate Guidelines	
	For drenches, mix Rate amount in 100 gal (375 L) of water volume				Concentrate Stock Solution (gal)	Injector Pump Setting
	Sprint® 330 10% DTPA Chelated Iron		Sprint® 138 6% EDDHA Chelated Iron (5.2% ortho ortho)			
Rate (oz.)	Rate (grams)	Rate (oz.)	Rate (grams)			
15	2.0	56.70	3.3	93.56	1	1:100
20	2.7	76.55	4.5	127.58	1	1:100
30	4.0	113.40	6.7	189.95	1	1:100
40	5.4	153.09	9.0	255.15	1	1:100
60	8.0	226.80	13.4	379.89	1	1:100
80	10.8	306.18	18.0	510.30	1	1:100
100	13.5	382.73	22.5	637.88	1	1:100

For mild chlorosis - Drench plants with Sprint 330 or Sprint 138 beginning at 5 oz per 100 gals (141.75 g per 375 L)
For severe chlorosis - Drench plants with Sprint 330 or Sprint 138 beginning at 5-8 oz per 100 gals (141.75 - 226.8 g per 375 L) and repeat 14 days later with 5-8 oz per 100 gals (141.75 - 226.8 g per 375 L).
Conversion: 3 tsp = 1 Tbs, 3 Tbs = 1 oz

the main crop is on the tree. To avoid possible injury to plants, do not use in combination with oils or miticides.

Soil Applications: For mature trees, apply 1/3 to 1/2 lb per tree in light sandy soils and 1/2-1 lb per tree in heavy soils. Broadcast evenly within the drip line of the trees prior to the winter flush of growth. For an annual maintenance program, apply 1/4-1/3 lb per tree.

SMALL FRUITS (Blackberries, Blueberries, Boysenberries, Dewberries, Loganberries, Raspberries, Strawberries, etc.)
Soil applications: Apply as a band or side dress application at 1/2-1 lb per 100 ft. of row in early spring or when deficiency symptoms first appear.

Grapes
Foliar application: Mix 1½ lbs per 100 gals of water and apply as a thorough cover spray.
Soil: Apply in band or side dress at rate of 1/2-1 lb per 100 ft. of row.

ORNAMENTALS
Roses and Flowering Shrubs (Azaleas, Crepe Myrtle, Euonymus, Forsythia, Gardenia, Honeyuckle, Spirea, and similar plants)
Soil applications: Apply 2-4 oz (6-12 tsp) per 100 sq. ft. as a broadcast application and water in thoroughly. For individual plants, apply 6 tsp per plant for small shrubs and 12 tsp per plant for large shrubs.
For plants in containers, apply 1/4 tsp per 8-inch pot, or 1/2 tsp per 12-inch pot.

Aster, Camellia, Chrysanthemum, Daylily, Geranium, Iris, Nasturtium, Petunias, Verbena, and similar annuals and perennials
Soil applications: Apply 20 oz per 1,000 sq. ft. and water in well. For plants in containers, apply 1/4 tsp per 8-inch pot or 1/2 tsp per 12-inch pot.

Gladiolus
Soil applications: Apply 80 oz per 1,000 sq. ft. of row.
For plants in containers, apply 1/4 tsp per 8-inch pot or 1/2 tsp per 12-inch pot.

Dwarf Apple, Chinese Arborvitae, Chinese and American Elm, Juniper, Mimosa, Shortleaf Pine, Ponderosa Pine, Pin Oak, Sycamore, and similar trees
Soil applications: Apply up to 2 oz per tree for each inch of trunk diameter measured at chest height. Apply in the spring, either prior to or at the time of new spring growth evenly within the drip line and follow with thorough irrigation.
For plants in containers, apply 1/4 tsp per 8-inch pot, or 1/2 tsp per 12-inch pot.

VEGETABLES
Beans, Corn, Mustard, and Spinach
Soil applications: Make a band or side dress application at up to 2 oz per 1,000 sq. ft. (5 lbs per acre) at planting or when deficiency symptoms first appear.

Black-eyed Peas, Carrots, Cucumbers, Eggplants, Melons, Onions, Parsnips, Peas, Peppers, Potatoes, Radishes, Squash, Tomatoes, and Turnips
Foliar applications: Apply 1/2 oz per 1,000 sq. ft. (1½ lbs per acre) in sufficient water for thorough coverage. Apply 4-6 weeks after planting or when deficiency symptoms first appear. Repeat in 2-3 weeks if necessary. Apply to cucumbers, eggplants, melons, peppers, squash and tomatoes prior to bloom.
Soil applications: Make a band or side dress application at up to 2 oz per 1,000 sq. ft. (5 lbs per acre) at planting or when deficiency symptoms first appear.

Cabbage, Cauliflower, Celery and Lettuce
Soil applications: Make a band or side dress application at up to 2 oz per 1,000 sq. ft. (5 lbs per acre) at planting or when deficiency symptoms first appear.

TURF
Bluegrass, St. Augustine, Bentgrass, Fescues, Ryegrass, Zoysiagrass, Centipede, Bermudagrasses, including hybrid and dwarf varieties, etc.
Foliar spray: 2 oz per 1,000 sq. ft.

Note: The addition of 0.1 lb of ammoniacal N per 1,000 sq. ft. may enhance iron uptake in foliar applications.

Sprint® 138

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below 0°C (32°F) or above
45°C (113°F).

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<http://www.aapfco.org/metals.html>

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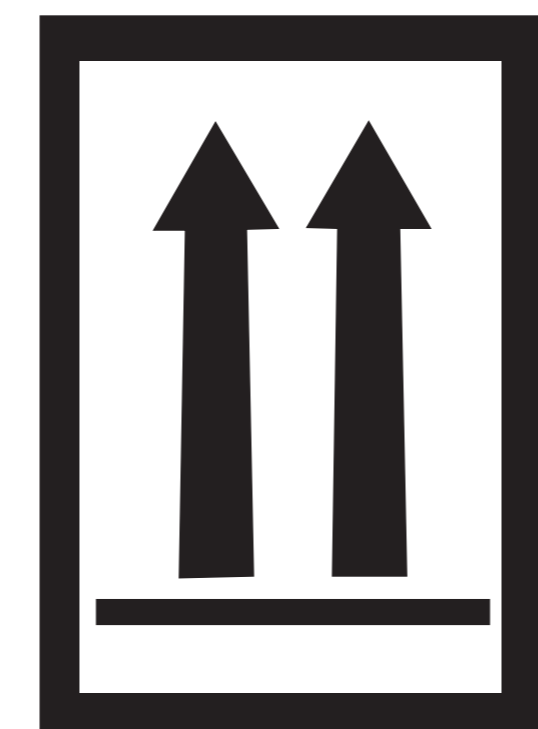
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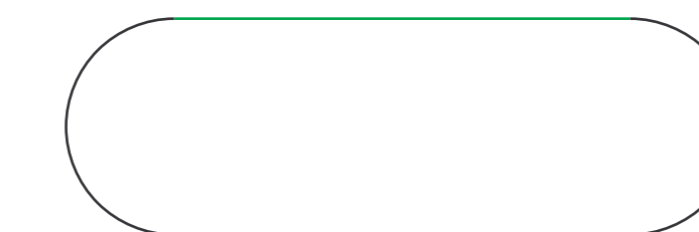
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**Net Contents: 6 x 5 Pounds (6 x 2.26 Kilograms)
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67650624
NVA 2022-05-0685-0180

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26 Davis Drive
Research Triangle Park, NC 27709



4-0-0

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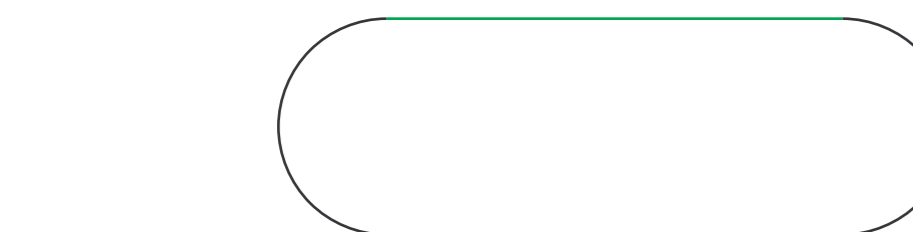
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20220214.NVA 2022-04-0685-0053
Supersedes: SPRINT 138 SPEC 2019-04



50804338144031



67650624
SPRINT 138 - 6x5 lb. bags
NVA 2022-05-0685-0180

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T
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andscape plantings and turf.

.....4%

A
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PROFESSIONAL USE ONLY
Out of Reach of Children

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6 Kilograms)
Kilograms)

NVA 2022-05-0685-0179 - 67650615

 **BASF**
We create chemistry

EMERGENCY CONTACT:
CHEMTREC 1-800-424-9300
BASF Corporation 1-800-832-HELP (4357)

Storage and Disposal

Storage and Handling: Segregate from foods and animal feeds. Keep only the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect containers from physical damage. Protect against contamination. Protect from temperatures below 0°C (32°F) or above 45°C (113°F). Changes in the properties of the product may occur if substance/product is stored outside of the indicated temperature window for extended periods of time.

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Phenol / 108-95-2

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