

Clarus

Screamin' Knock Out

16-2-3 WEED & FEED

EPA Reg. No. 2217-884-82898

EPA Est. No. 047956-PA-001 (A)

Subscript corresponds to 1st digit in lot no.

ACTIVE INGREDIENT:
2,4-D, 2-ethylhexyl ester . . . 1.108%
Mecoprop-p acid 0.167%
Dicamba acid. 0.071%
OTHER INGREDIENTS: 98.654%
TOTAL 100.000%

THIS PRODUCT CONTAINS:

14.70 lb 2, 4-dichlorophenoxyacetic acid equivalent per ton or 0.735%. CAS 1928-43-4.
3.34 lb (+)-(R)-2-(2-methyl-4-chlorophenoxy) propionic acid equivalent per ton or 0.167%. CAS 16484-77-8.
1.42 lb 3, 6-dichloro-o-anisic acid equivalent per ton or 0.071%. CAS 1918-00-9

Isomer Specific by AOAC Methods

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KEEP OUT OF REACH OF CHILDREN CAUTION

STOP! READ THE ENTIRE LABEL FIRST.
OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are natural rubber. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

All loaders, applicators, and other handlers must wear:

- long-sleeved shirt and long pants,
- shoes plus socks.
- chemical- resistant gloves

User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

User Safety Recommendations

- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

FIRST AID

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-877-800-5556 for emergency medical treatment information.

ENVIRONMENTAL HAZARDS

This pesticide may be toxic to fish and aquatic invertebrates and may adversely affect non-target plants. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

GUARANTEED ANALYSIS

Total Nitrogen (N) 16.00%
2.50% Ammoniacal Nitrogen
9.5% Urea Nitrogen†
1.60% Other Water Soluble Nitrogen
2.40% Water Insoluble Nitrogen*

Available Phosphate (P₂O₅) 2.00%
Soluble Potash (K₂O) 3.00%
Calcium (Ca). 2.00%
Sulfur (S) 3.00%
3.0% Combined Sulfur (S)

Iron (Fe) 1.00%

PLANT NUTRIENTS DERIVED FROM

poultry manure, biosolids, ammonium sulfate, urea, sulfur coated urea, ammonium phosphate, muriate of potash.

* 2.40% slowly available water insoluble nitrogen from poultry manure and biosolids.
† 6.00% slowly available urea nitrogen from sulfur coated urea.

Information concerning the raw materials composing this product can be obtained by writing to the Guarantor listed on this label, and referring to the batch number found on this container.

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

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

USE RESTRICTIONS:

- Do not enter or allow people (or pets) to enter the treated area until dusts have settled. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.
- Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.
- Do not use this product on dichondra, carpetgrass, creeping bentgrass, 'Floratam' St. Augustinegrass, or turf containing desirable clovers.

USE PRECAUTIONS:

- Do not use this product on dichondra, carpetgrass, creeping bentgrass, 'Floratam' St. Augustinegrass, or turf containing desirable clovers.
- Do not apply this product to newly seeded grasses until well-established or after the third mowing.
- Do not use this product on flowers, vegetables, groundcovers, gardens or landscape plantings including shrubs and trees. Do not exceed specified dosage for any area.
- This product will not prevent weed seeds from producing new plants.
- Reseeding or overseeding treated areas may occur three (3) weeks after application of this product.
- Do not use this product on or near desirable plants and avoid spreading granules onto exposed root systems or adventitious shoots (rhizomes) within the drip line of the roots of desirable trees and shrubs, since injury may result.

WHERE TO USE:

Clarus Screamin' Knock Out 16-2-3 Weed & Feed is a Trimec® herbicide containing fertilizer, 2,4-D, mecoprop-p, and dicamba. This granular weed and feed provides plant nutrients and controls a broad spectrum of broadleaf weeds in turfgrass. Supplemental nitrogen, phosphorus, and potash should be applied according to soil tests or State Extension Service recommendations.

This product is intended to be applied by commercial applicators, noncommercial users, lawn care operators, and landscape personnel. Cool season and warm season grasses established in institutional, ornamental, and residential sites may be treated.

Institutional sites are defined as turf areas around properties or facilities providing a service to public or private organizations including but not limited to hospitals, nursing homes, schools, museums, libraries, sport facilities (including golf courses), and office buildings. Ornamental sites include turfgrass established around residences, parks, streets, retail outlets, cemeteries, and institutional buildings. Finally, residential sites are defined as areas associated with the household or home life including, but not limited to apartment complexes, condominiums, and patient care areas of nursing homes, mental institutions, hospitals, or convalescent homes.

This product may be applied to newly seeded cool season turfgrass. Applications are recommended only after the third mowing or after the grass seedlings have tillered and have developed an adequate secondary root system.

This product may be applied to newly established warm season turfgrass. Treatments should be delayed until 3 to 4 weeks after the sodding, sprigging, or plugging operations, and low application rates (1/2 of the recommendation for established turfgrass) are suggested.

A uniform broadcast distribution of product on the treated area is essential. Do not exceed the specified application rate for any area and use care in the application of this product within the dripline of, or over surface roots of trees, shrubs, and other ornamentals.

HOW MUCH TO APPLY

For Kentucky bluegrass, fescue spp., perennial ryegrass, common bermudagrass, bahiagrass, and zoysiagrass: Apply 109 to 174 pounds of Clarus Screamin' Knock Out 16-2-3 Weed & Feed per acre of established turfgrass. Or the equivalent application rates are 2.5 to 4.0 pounds of product per 1,000 square feet of turfgrass.

For St. Augustinegrass (not 'Floratam), centipedegrass, hybrid bermudagrass and colonial bentgrass: Apply 87 to 130 pounds of Clarus Screamin' Knock Out 16-2-3 Weed & Feed per acre of established turfgrass. Or the equivalent application rates are 2.0 to 3.0 pounds of product per 1,000 square feet of turfgrass.

Generally, the lower application rates within the specified range will provide satisfactory control of annual broadleaf weed species. The higher application rates within the specified range will be required for dense infestations of perennial weeds, for extreme environmental conditions, or for weeds beyond the appropriate growth stages.

Limitations on broadcast applications to ornamental turfgrass.				
Use Site	Maximum Rate per Application	Maximum Number of Applications per Year	Minimum Interval Between Applications	Maximum seasonal rate
Ornamental turfgrass	174 pounds/A	2	30 Days	348 pounds/A
Do not exceed the maximum seasonal rate of 348 pounds per acre per season.				

Sequential or follow-up applications may be required for dense infestations of perennial and biennial weeds. Also, adverse environmental conditions prior or after application may reduce the effectiveness. If required, the treatment interval between the first and second applications should be approximately 30 days.

Drop spreaders, rotary spreaders, and other granular equipment should be calibrated for accurate and uniform applications of this product. Calibrate the equipment by applying the product over a measured or known area and adjust the equipment according to the recommendations of the equipment manufacturer. Refer to the rate table for the appropriate bag sizes and the area to be treated.

Typically a lawn utilizes 1-4 pounds of nitrogen per 1,000 sq.ft. per growing season. When applied as directed, this product provides 0.32 - 0.64 pounds of nitrogen per 1,000 sq.ft. Contact your local Extension Service for information specific to your geographic region.

APPLICATION DIRECTIONS:

1. Spring and fall applications are recommended for the best control. However, Clarus Screamin' Knock Out 16-2-3 Weed & Feed can be applied any time broadleaf weeds are present and actively growing.
2. Mow the turfgrass 1 to 2 days before application.
3. Water the turfgrass thoroughly (> 1/2 inch) at least 1 to 2 days before application.
4. Schedule applications in the morning when dew is present. Or, sprinkle or irrigate lightly (<1/4 inch) before application to provide maximum control.
5. Rainfall or irrigation within 24 hours after application may reduce the effectiveness. Do not irrigate or water the turfgrass within 24 hours after application.

CALIBRATION INSTRUCTIONS:

To provide proper distribution, calibrate spreader before application.

- For 2.0 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 500 square feet and adjust to apply at the rate of 1 pound of product per 500 square feet.
- For 2.5 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 400 square feet and adjust to apply at the rate of 1 pound of product per 400 square feet.
- For 3.0 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 333 square feet and adjust to apply at the rate of 1 pound of product per 333 square feet.
- For 3.2 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 310 square feet and adjust to apply at the rate of 1 pound of product per 310 square feet.
- For 3.4 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 300 square feet and adjust to apply at the rate of 1 pound of product per 300 square feet.
- For 3.6 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 275 square feet and adjust to apply at the rate of 1 pound of product per 275 square feet.
- For 3.8 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 260 square feet and adjust to apply at the rate of 1 pound of product per 260 square feet.
- For 4.0 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 250 square feet and adjust to apply at the rate of 1 pound of product per 250 square feet.

NET WT 50 lb (22.7 kg)

Distributed & Guaranteed by Nutrients PLUS®, LLC
2133 Upton Dr., Ste. 126-509 • Virginia Beach, VA 23454 • 888-675-7515



Screamin' Knock Out

16-2-3 WEED & FEED

Bag Size, Lbs.	Application Rate, Lbs./1,000 Sq.Ft.	Treated Area for This Bag Size, Sq.Ft.
50	2.0	25,000
	2.5	20,000
	3.0	16,700
	3.2	15,600
	3.4	14,700
	3.6	13,900
	4.0	12,500

DISTRIBUTION AND SPREADER PATTERNS:

Always apply with a rotary or drop spreader to distribute the granules evenly. Never apply by hand.

Coverage

To determine how much you need to apply, multiply the length of your lawn by its width. This equals your total square footage. Deduct all non-lawn areas (house, gardens, etc.). One 50 pound bag covers 12,500 to 25,000 square feet.

IMPORTANT: It is important to follow directions as indicated on this quality lawn care product as over-application may cause injury to your lawn. Spreader settings are approximate. Differences may occur due to condition of spreader, speed at which applied and roughness of area treated. Be sure to check spreader before beginning, adjusting if necessary. Consult Owner's Manual. Never apply by hand.

SINGLE PASS DISTRIBUTION:

- For rotary spreaders: Operate at intervals corresponding to the swath width.
- For drop spreaders: Overlap the wheel tracks to ensure complete coverage.
- For best results, apply this product uniformly and avoid streaks, skips or overlaps. Walk at a steady pace to ensure even coverage. Close the spreader opening when turning to change directions or when stopping.

Advisory for Fertilizers Containing Iron:

Keep this product off sidewalks, patios, driveways, etc. This fertilizer may stain concrete and painted surfaces. If it comes in contact with concrete surfaces, sweep off immediately before flushing with water. If concrete is wet when contact occurs, staining may be impossible to prevent. Be careful when using rotary spreaders which scatter fertilizer beyond lawn edge and onto concrete.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE: Store in original container and keep any bags containing unused product in a locked storage area inaccessible to children and domestic animals.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: Nonrefillable container: Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or 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.

KILLS 253 WEEDS!

Amaranth, purple
 Amaranth, slender
 Aster, heath
 Aster, white heath
 Aster, purple
 Aster, white prairie
 Artichoke
 Austrian fieldcross
 Bedstraw, Catchweed
 Bedstraw, smooth
 Bedstraw, Northern
 Bedstraw, pineywoods
 Beggarticks, hairy
 Betony, Florida
 Bindweed, Field
 Bindweed, Hedge
 Bitter Wintercross
 Bittercress, hairy
 Bitterweed
 Black-eyed Susan
 Black Medic
 Blood flower milkweed
 Blue lettuce
 Brassbuttons
 Bristly oxtongue
 Broomweed
 Buckhorn
 Bullnettle
 Burclover
 Burdock
 Burweed, lawn (spurweed)
 Buttercup, bulbous
 Buttercup, creeping
 Buttonweed, common (poorjoe)
 Buttonweed, virginia
 Carolina geranium (wild)
 Carpetweed
 Catnip
 Catsear, spotted (false dandelion)
 Chamber bitter
 Chickweed, common
 Chickweed, mouseear
 Chickweed, sticky
 Chicory
 Cinquefoil
 Clover, crimson
 Clover, alyce
 Clover, hop
 Clover, rabbit foot
 Clover, red
 Clover, strawberry
 Clover, yellow sweet
 Clover, white sweet
 Clover, white
 Cockle
 Cocklebur
 Cocklebur, oriental
 Cocklebur, spiny
 Common mullein
 Corn Spurry
 Creeping Beggarweed
 Creeping Jenny (creeping charlie)
 Cupid shaving Brush
 Cudweed

Daisy, English
 Daisy, oxeye
 Dandelion, common
 Dandelion, false
 Day flower
 Deadnettle
 Dichondra
 Dock, broadleaf
 Dock, curly
 Dogbane
 Dogfennel
 Dollarweed (Pennywort)
 Dove weed
 Elderberry
 Falseflax
 False sunflower
 Fiddleneck
 Filaree, redstem
 Filaree, whitestem
 Fleabane, daisy (annual)
 Fleabane, rough
 Galinsoga, hairy
 Galinsoga, smallflower
 Goldenrod
 Ground ivy
 Groundsel
 Gumweed
 Hairy fleabane
 Hawkweed, meadow
 Hawkweed, mouseear
 Hawkweed, orange
 Hawkweed, yellow
 Healall
 Heartleaf drymary
 Hemp
 Henbit
 Hoary cress
 Horsetail
 Horsetail
 Horsetail
 Jimsonweed
 Johnny-Jumpup violet
 Knawel
 Knotweed, prostrate
 Kochia
 Lambsquarters
 Lespedeza
 Mallow, alkali
 Mallow, bristly
 Mallow, common
 Mallow, dwarf
 Mallow, venice
 Marcela
 Matchweed
 Mexicanweed
 Moneywort
 Morningglory, bigroot
 Morningglory, ivyleaf
 Morningglory, mexican
 Morningglory, red
 Morningglory, tall
 Morningglory, wolly
 Mugwort
 Mustard, ball
 Mustard, black

Mustard, blue
 Mustard, hedge
 Mustard, Indian
 Mustard, tansy
 Mustard, tumble
 Mustard, white
 Mustard, wormseed
 Nettle, stinging (burning)
 Nettle, tall
 Nettle, wood
 Parsley-piert
 Parsnip
 Pearlwort
 Pennycress (frenchweed)
 Pepperweed, perennial
 Pepperweed, virginia (Peppergrass)
 Pigweed, prostrate
 Pigweed, redroot
 Pigweed, russian
 Pigweed, smooth
 Pigweed, tumble
 Pineapple weed
 Plains coreopsis (tickseed)
 Plantain, blackseed
 Plantain, bracted
 Plantain, broadleaf
 Plantain, buckhorn
 Plantain, hoary
 Plantain, narrowleaf
 Plantain, slender
 Plantain, woolly
 Poison ivy
 Poison oak
 Pokeweed
 Prairie Sunflower
 Prickly lettuce (compass plant)
 Prickly sida
 Prostrate knotweed
 Puncturevine
 Purslane, common
 Pusley, brazil
 Pusley, florida
 Pusley, large flower
 Ragweed, bur
 Ragweed, common
 Ragweed, lanceleaf
 Ragweed, western
 Redstem filaree
 Rough cinquefoil
 Scarlet pimpernel
 Shepardspurse
 Smartweed, ladythumb
 Smartweed, pale
 Smartweed, pennsylvania
 Smooth chaff-flower
 Smoothdock
 Sorrel, red (sheep)
 Sowthistle, annual
 Sowthistle, spiny
 Spanish needles
 Speedwell, bi-lobed
 Speedwell, common
 Speedwell, corn
 Speedwell, ivyleaf

Speedwell, persian
 Speedwell, purslane
 Speedwell, slender
 Speedwell, snow
 Speedwell, thymeleaf
 Spiny amaranth
 Spurge, spotted
 Spurge, prostrate
 Spurweed
 Star of Bethlehem
 Strawberry, India mock
 Tansy ragwort
 Tanweed
 Thistle, blessed
 Thistle, bull
 Thistle, canada
 Thistle, flodman (prairie)
 Thistle, musk
 Thistle, platte
 Thistle, plumeless
 Thistle, russian
 Thistle, scotch
 Thistle, wavyleaf
 Thistle, yellow (horrible)
 Trailing crownvetch
 Velvetleaf
 Vervain, blue
 Vervain, hoary
 Vervain, prostrate
 Vervain, tall
 Vetch, bird
 Vetch, hairy
 Vetch, milk
 Vetch, narrowleaf
 Vetch, wild
 Virginia creeper
 Western clematis
 Western salsify
 Wild aster
 Wild buckweed
 Wild carrot
 Wild four-o'clock
 Wild garlic
 Wild lettuce
 Wild marigold
 Wild mustard (yellow rocket)
 Wild onion
 Wild parsnip
 Wild radish
 Wild rape
 Wild strawberry
 Wild sweet potato
 Wild violet
 Woodsorrel, creeping
 Woodsorrel, violet
 Woodsorrel, yellow (Oxalis)
 Woolly croton
 Wormseed
 Yarrow, common
 Yarrow, western
 Yarrow, yellow

LIMITED WARRANTY AND DISCLAIMER

FOR USE ONLY AS DIRECTED. THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE EXPRESSLY DISCLAIMED. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO CASE SHALL THE MANUFACTURER BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. If these terms are not acceptable, return this product unopened immediately to the point of purchase, and the purchase price will be refunded in full. The terms of this Limited Warranty and Disclaimer cannot be varied by any written or verbal statements or agreements at the point of sale or elsewhere.

Nutrients PLUS, LLC warrants that this product conforms to the analysis on its label. When used in accordance with label directions, under normal conditions, this product is reasonably fit for its intended purposes. Since time, method of application, weather, plant and soil conditions, mixture with other chemicals, and other factors affecting the use of this product are beyond our control, no warranty is given concerning the use of this product contrary to label directions or under conditions which are abnormal or not reasonably foreseeable. The user assumes all risks of any such use.