



# WEED & FEED 21-7-14

### ACTIVE INGREDIENTS:

* Dimethylamine salt of 2,4-dichlorophenoxyacetic acid .....	0.65%
** Dimethylamine salt of (+)-(R)-2-(2-methyl-4-chlorophenoxy) propionic acid .....	0.16%
*** Dimethylamine salt of dicamba (3,6-dichloro-o-anisic acid).....	0.07%
<b>OTHER INGREDIENTS</b> .....	<b>99.12%</b>
	<b>100.00%</b>

### THIS PRODUCT CONTAINS:

- \* 10.8 lb 2,4-dichlorophenoxyacetic acid equivalent per ton or 0.54%
- \*\* 2.6 lb (+)-(R)-2-(2-methyl-4-chlorophenoxy) propionic acid equivalent per ton or 0.13%
- \*\*\* 1.2 lb 3,6-dichloro-o-anisic acid equivalent per ton or 0.06%

Isomer Specific by AOAC Methods.

EPA Reg. No. 2217-532-2935

EPA Est. No. 35497-OR-1

## 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:** Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes, or clothing.

#### 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, and
- 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 swallowed:	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
If on skin or clothing:	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If in eyes:	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

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

### GUARANTEED ANALYSIS

Total Nitrogen (N).....	21%
5.20% Ammoniacal Nitrogen	
15.80% Urea Nitrogen*	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ).....	7%
Soluble Potash (K <sub>2</sub> O).....	14%
Sulfur (S).....	4.80%
Iron (Fe).....	1%

DERIVED FROM: Urea, Ammonium Sulfate, Ammonium Phosphate, Muriate of Potash, Polymer Coated Urea, and Iron Sulfate.

\*4.20% Slow Release Urea Nitrogen from Polymer Coated Urea.

Use of this product in certain portions of California, Oregon, and Washington is subject to the January 22, 2004 Order for injunctive relief in Washington Toxics Coalition, et al. v. EPA, C01-0132C, (W.D. WA). For further information, please refer to EPA web site: <http://www.epa.gov/espp>.

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

### 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, or 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 washwater 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.

### DIRECTIONS FOR USE

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

#### PRECAUTIONS AND 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 such as sod, or for commercial seed production, or for research purposes.

#### WHERE TO USE:

PERFECTION WEED & FEED 21-7-14 is a 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.

PERFECTION WEED & FEED 21-7-14 is intended to be applied by commercial applicators, non-commercial 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; for example: hospitals, nursing homes, schools, museums, libraries, sport facilities (including golf courses), and office buildings may be treated. Ornamental sites including 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.

Apply this product to newly seeded cool season turfgrass. Apply only after the third mowing or after the grass seedlings have tillered and have developed an adequate secondary root system.

PERFECTION WEED & FEED 21-7-14 may be applied to newly established warm season turfgrass. Delay treatments until 3 to 4 weeks after the sodding, sprigging, or plugging operations, and low application rates (1/2 of the specified rate 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. Do not use this product on or near desirable plants, and avoid spreading granules onto exposed root systems or adventitious shoots (rhizomes) within the dripline of desirable trees and shrubs, since injury may result.

Do not use this product on dichondra, carpetgrass, closely-mowed bentgrass putting greens, or turf containing desirable clovers.

**NET WEIGHT:  20 POUNDS (9.07 kg)  40 POUNDS (18.14 kg)**

**WEEDS CONTROLLED:**

Dandelion, chickweed, plantain, and clover are controlled effectively with PERFECTION WEED & FEED 21-7-14. A partial list of susceptible weeds is shown below:

**WEEDS**

Annual yellow sweetclover	Clover, white	Narrowleaf plantain	Spotted catsear
Aster	Cockle	Narrowleaf vetch	Spotted spurge
Austrian fieldcress	Cocklebur	Nettle	Spurweed
Bedstraw	Common mullein	Orange hawkweed	Stinging nettle
Beggarticks	Creeping Jenny	Oriental cocklebur	Strawberry, India mock
Betony, Florida	Cudweed	Oxalis	Tall nettle
Bindweed, field	Curly dock	Parsley piert	Tall vervain
Bird vetch	Daisy, English	Parsnip	Tansy mustard
Bitter wintercress	Daisy, fleabane	Pearlwort	Tansy ragwort
Bittercress, hairy	Daisy, oxeeye	Pennycress	Tanweed
Bitterweed	Dandelion	Pepperweed	Thistle
Black-eyed Susan	Dichondra	Pigweed	Trailing crownvetch
Black medic	Dog fennel	Pineywoods bedstraw	Tumble mustard
Black mustard	Dollarweed	Plains coreopsis	Tumble pigweed
Blackseed plantain	False dandelion	Plantain	Velvetleaf
Blessed thistle	Falseflax	Poison ivy	Venice mallow
Bloodflower milkweed	False sunflower	Poison oak	Virginia buttonweed
Blue lettuce	Fiddleneck	Pokeweed	Virginia creeper
Blue vervain	Florida pusley	Poorjoe	Virginia pepperweed
Bracted plantain	Frenchweed	Prairie sunflower	Wavyleaf bullthistle
Bristly oxtongue	Galinsoga	Prickly lettuce	Western clematis
Broadleaf dock	Goldenrod	Prickly sida	Western salsify
Broadleaf plantain	Ground ivy	Prostrate knotweed	White mustard
Broomweed	Gumweed	Prostrate pigweed	Wild aster
Buckhorn	Hairy fleabane	Prostrate spurge	Wild buckwheat
Buckhorn plantain	Hawkweed	Prostrate vervain	Wild carrot
Bulbous buttercup	Healall	Puncturevine	Wild four-o'clock
Bull thistle	Heartleaf drymary	Purslane, common	Wild garlic
Bullnettle	Heath aster	Ragweed	Wild geranium
Burclover	Hedge bindweed	Red sorrel	Wild lettuce
Burdock	Hedge mustard	Redroot pigweed	Wild radish
Burning nettle	Henbit	Redstem filaree	Wild rape
Burweed	Hoary cress	Rough cinquefoil	Wild strawberry
Buttercup	Hoary plantain	Rough fleabane	Wild sweet potato
Buttonweed	Hoary vervain	Russian pigweed	Wild vetch
Canada thistle	Horsenettle	Russian thistle	Woodsorrel
Carolina geranium	Jimsonweed	Scarlet pimpernel	Woolly croton
Carpetweed	Knawel	Scotch thistle	Woolly morningglory
Catchweed bedstraw	Knotweed	Sheep sorrel	Woolly plantain
Catnip	Kochia	Shepherd's-purse	Wormseed
Catsear	Lambsquarters	Slender plantain	Yarrow
Chickweed, common	Lespedeza	Smallflower galinsoga	Yellow rocket
Chickweed, mouseear	Mallow	Smooth dock	Yellowflower pepperweed
Chicory	Matchweed	Smooth pigweed	and other broadleaf weeds
Cinquefoil	Mexicanweed	Sorrel	
Clover, crimson	Milk vetch	Sowthistle	
Clover, hop	Morningglory	Spanish needles	
Clover, red	Mouseear hawkweed	Speedwell	
Clover, strawberry	Mugwort	Spiny amaranth	
Clover, sweet	Musk thistle	Spiny cocklebur	
	Mustard	Spiny sowthistle	

**HOW MUCH TO APPLY:**

For Kentucky bluegrass, fescue spp., perennial ryegrass, bermudagrass, and zoysiagrass: Apply 174.2 pounds of PERFECTION WEED & FEED 21-7-14 per acre of established turfgrass or the equivalent application rate of 4.0 pounds of product per 1,000 square feet of turfgrass.

The maximum broadcast application rate is 4.0 pounds of product per 1,000 sq. ft. per application. The maximum number of broadcast applications is limited to 2 per year with a minimum of 30 days between applications. The maximum seasonal rate is 8.0 pounds of product per 1,000 sq. ft.

A sequential or followup application 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 must be at least 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.

Bag Size (Pounds)	Desired Rate per Acre (Pounds)	Desired Rate per 1,000 sq. ft. (Pounds)	Treated Area for this Bag Size	
			Acres	Square Feet
20	174.2	4	—	5,000
40	174.2	4	0.23	10,000

**APPLICATION SUGGESTIONS:**

1. Spring and fall applications are recommended for the best control. However, PERFECTION WEED & FEED 21-7-14 can be applied any time broadleaf weeds are present and actively growing.
2. Mow the turfgrass 2 to 3 days before application.
3. Water the turfgrass thoroughly (> ½ 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 water or irrigate the turfgrass within 24 hours after application.

**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.

**LIMITED WARRANTY AND DISCLAIMER**

Conditions of Sale and Limitation of Warranty and Liability:

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using the product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

**ALL STATEMENTS MADE HEREIN ARE SUBJECT TO APPLICABLE LAW, AND TO THE EXTENT THERE IS ANY INCONSISTENCY OR CONTENTION, APPLICABLE LAW SHALL GOVERN.**

The Directions for Use of the product must be followed carefully. 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 many different factors including, without limitation, manner of use or application, weather, combination with other products, or crop conditions. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Manufacturer and Seller harmless from any claims relating to such factors.

**Seller warrants that this product conforms to the chemical description on the label. EXCEPT FOR THIS WARRANTY, THE PRODUCT IS FURNISHED "AS-IS," AND NEITHER SELLER NOR MANUFACTURER MAKES ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE SELECTION, PURCHASE OR USE OF THIS PRODUCT; SELLER AND MANUFACTURER SPECIFICALLY DISCLAIM ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Buyer and User accept all risks arising from any use of this product, including without limitation uses contrary to label instructions, under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) Seller or Manufacturer.**

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