



HUDSON VALLEY™
Turf Fertilizer with

17-0-4

0.17% Dimension Herbicide

For season-long control of crabgrass and control or suppression of listed annual grasses and broadleaf weeds in ornamental landscape areas, established lawns and ornamental turf, including golf course fairways, roughs and tee boxes.

Guaranteed Analysis

Total Nitrogen (N).....	17.0%
1.8% Ammoniacal Nitrogen	
1.3% Water-Insoluble Nitrogen*	
13.7% Urea Nitrogen**	
0.2% Other Water Soluble Nitrogen	
Soluble Potash (K2O).....	4.0%
Calcium (Ca).....	0.8%
Sulfur(S).....	3.5%
3.4% Combined Sulfur	
Iron(Fe).....	3.0%

*1.3% Water insoluble nitrogen from biosolids.
**6.1% coated slow release Nitrogen (N)

Derived From: Ammonium Sulfate, Urea, Polymer coated Urea, Composted Poultry, Biosolids, Potassium Sulfate

Distributed and Guaranteed by
Central Turf & Irrigation
8 Williams St.
Elmsford, NY 10523
Phone # 914-347-5656
Net Weight 50 Pounds

Product Code: **149201**
Lot#
Premium Turf Grade: **SGN 220**
REV 0124



Active Ingredient

dithiopyr: 3,5- pyridinedicarbothioic acid,
2-(difluoromethyl)- 4-(2-methylpropyl)-6-
(trifluoromethyl)-S,S-dimethyl ester..... 0.17%

Other Ingredients 99.83%

Total..... 100.000%

This product contains 0.085 pound of the active ingredient dithiopyr per 50 pound bag.

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Suggested Application Rates and Coverage

Coverage	Rate	Rate N/K	HVN PrizeLawn	Scotts R-8	LESCO Letter/#	Earthway Spyker
12,500 sq.ft	4.0 lb/K	.68#N/K	J	J	E/13	15
10,000 sq.ft	5.0 lb/K	.85#N/K	L	L	G/16	17
						4
						6



EPA REG. NO. 62719-485-103168
EPA EST. NO. 41124-WI-1
EPA EST. NO. 41124-OH-1
EPA EST. NO. 45719-PA-3
EPA EST. NO. 75527-PA-12

EPA REG. NO. 8378-IN-1
EPA EST. NO. 93243-CT-1 (CT)
EPA EST. NO. 90561-NC-001 (N)
EPA EST. NO. 93243-TX-1 (TX)

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.
For use on plants intended for aesthetic purposes or climatic modification and being grown in ornamental gardens or parks, or on golf courses or lawns.
In the state of New York, the product must only be used by commercial applicators at no more than 294 lbs of Hudson Valley Turf Fertilizer with 0.17% Dimension Herbicide per acre per year (0.5 lb dithiopyr/acre/year). In Nassau and Suffolk Counties of New York, do not exceed 147 lb of Hudson Valley Turf Fertilizer with 0.17% Dimension Herbicide per acre per year (0.25 lb dithiopyr/acre/year)

Keep Out of Reach of Children CAUTION

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.
If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, the give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Hot Line Number: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 day or night, for emergency treatment information

Precautionary Statements

CAUTION

Hazards to Humans and Domestic Animals

Causes Eye Irritation • Harmful If Inhaled
Avoid contact with eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact while handling this material may cause allergic reaction in some individuals.

Environmental Hazards

Hudson Valley Turf Fertilizer with 0.17% Dimension Herbicide is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters.

Notice: Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies at end of Directions for Use. If terms are unacceptable, return at once unopened.**
In case of emergency endangering health or the environment involving this product, call 1-800-992-5994.
Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

Directions for Use

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

Storage and Disposal

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.
Pesticide Storage: Store this product only in its original container in a dry, cool, secured storage area.
Pesticide Disposal: Wastes resulting from the use of this product that cannot be used or chemically reprocessed must be disposed of in a landfill approved for pesticide disposal or in accordance with applicable federal, state or local procedures.
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 by other procedures allowed by state and local authorities.

Herbicide Resistance Management

For resistance management, this product is a Group 3 herbicide based upon the mode of action classification system of the Weed Science Society of America. Any weed population may contain or develop plants naturally resistant to this product and other Group 3 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance management strategies should be followed.

- To delay development of herbicide resistance, take one or more of the following steps.
- Alternate use of this product or other Group 3 herbicides with other products with different herbicide groups that control the same weeds.
 - This product can be tank mixed or used sequentially with other approved products to broaden the spectrum of weed control, provide multiple modes of action, and control weeds that this product does not control.
 - Use herbicides based on an IPM program.
 - Monitor treated areas and control escaped weeds.
 - If a weed pest population continues to progress after treatment with this product, discontinue use of this product and switch to another management strategy or herbicide with a different mode of action, if available.
 - For more information or to report suspected resistance, contact your extension specialist or contact a customer service representative at 800-992-5994.

Use Directions for Turf

Hudson Valley Turf Fertilizer with 0.17% Dimension Herbicide provides season-long control of crabgrass and control or suppression of other listed annual grasses and broadleaf weeds in established lawns and ornamental turfs, including golf course fairways, roughs, and tee boxes. When used according to label directions, this product will not harm nearby established ornamentals identified as "Tolerant Ornamentals" elsewhere in this label.

Use Precautions for Turf

Hudson Valley Turf Fertilizer with 0.17% Dimension Herbicide may be used on seeded, sodded, or sprigged lawns and ornamental turfs that are well-established. Initial application of this product should be made only after turfgrasses have developed a vigorous root system, a uniform stand, and have received at least two mowings following seeding, sodding, or sprigging. Use of this product on turfgrasses that are not well-established, or weakened by stress from weather, pests, disease, chemical, or mechanical influences, may increase the chances of turf injury.

Precautions for Reseeding, Overseeding, or Sprigging

- Reseeding, overseeding, or sprigging of areas treated with this product within 10 weeks after a single application of this product or within 16 weeks after a split application program totaling 6.8 lb/1000 sq ft (0.5 lb active ingredient per acre) or more may inhibit the establishment of desirable turfgrasses.
- When reseeding or overseeding, follow established cultural practices for seedbed preparation, seeding, irrigation and fertilization.
- For best overseeding results, use mechanical or power seeding equipment (slit seeders) designed to provide good contact between soil and seed.

Precautions for Control of Crabgrass

Early postemergence weed control with this product is limited to crabgrass. Postemergence application effectively controls crabgrass, but only if application is made prior to the 3-leaf stage of growth or first tiller. For best results, cultural practices that disturb the soil, such as core-, spike-, or hydro-aerification, and verticutting, should be done before application of this product.

Use Restrictions

- Do not use clippings from treated turf for mulching around vegetables or fruit trees.
- Do not allow people or pets to enter treated area until dust has settled.
- Do not graze livestock or feed forage cut from areas treated with this product.
- Do not apply this product until turfgrass has recovered from the mechanical injury caused by these cultural practices.

Apply this product only to turfgrass species listed on this label. The following turfgrass species are tolerant to this product when applied as directed:

Cool-Season Grasses	
bentgrass, creeping [†]	<i>Agrostis palustris</i>
bluegrass, Kentucky	<i>Poa pratensis</i>
fescue, fine ^{††}	<i>Festuca rubra</i>
fescue, tall	<i>Festuca arundinacea</i>
ryegrass, perennial	<i>Lolium perenne</i>
Warm-Season Grasses	
bahiagrass	<i>Paspalum notatum</i>
bermudagrass	<i>Cynodon dactylon</i>
buffalograss ^{†††}	<i>Buchloe dactyloides</i>
carpetgrass	<i>Axonopus affinis</i>
centipedegrass	<i>Eremochloa ophiuroides</i>
kikuyugrass	<i>Pennisetum clandestinum</i>
St. Augustinegrass	<i>Stenotaphrum secundatum</i>
zoysiagrass	<i>Zoysia japonica</i>

Note: It is not possible to evaluate all turfgrass varieties for tolerance to this product. It is suggested that the user evaluate the response of turfgrass varieties not listed on this label on a limited area, at specified use rates, prior to initiating large-scale use.

Application Directions for Turf

Apply Hudson Valley Turf Fertilizer with 0.17% Dimension Herbicide with equipment that provides a uniform particle distributi on. Calibrate application equipment prior to usage. Avoid streaking, skips, or excess overlaps during application.

Preemergence Application Rates, Frequency and Timing

For preemergence grass and broadleaf weed control, apply Hudson Valley Turf Fertilizer with 0.17% Dimension Herbicide as single or sequential application at 147 to 294 pounds (0.25 to 0.5 lb active ingredient) per acre. Applicators may choose to make a single application or sequential applications at 147 to 294 pounds per acre at 5 to 10 week intervals based on one or more of the factors listed below. Avoid streaking, skips, or excess overlaps during application.

- Length of residual weed control desired
- Height of turf (lower cut turf may require higher use rates)
- History and success of weed control at the application site (use higher listed application rates if herbicide treatment history is unknown or weed control was poor with previous applications)
- Exposure to high temperatures and heavy rainfall or irrigation (this will shorten the residual preemergence performance)
- On turf sites adjacent to hard surfaces including driveways, sidewalks and parking lots where residual activity may be reduced
- Some target weed species (such as but not limited to Poa annua, goosegrass and sandbur) will require higher use rates

Tips for Improved Weed Control

- For best results, apply this product within a few days after mowing and delay mowing again for a few days after the application.
- The turf herbicide and fertilizer components in this product are not effective until activated by rainfall or irrigation. Performance is improved if application is followed by 1/2 inch of rainfall or sprinkler irrigation. Erratic weed control may result if not activated by rainfall or irrigation within 30 days after application.

Maximum Use Rates (Applies to all Turfgrass Uses)

- Do not** apply more than 294 lb (0.5 lb active ingredient) per acre (6.8 lb per 1000 sq ft) per application.
- Do not** apply more than 6 times a year and do not apply more than 882 lb (1.5 lb active ingredient) per acre (20.4 lb per 1000 sq ft) per year if using split or sequential applications.
- To minimize the potential for turfgrass injury, do not make additional applications within five weeks of a previous application.
- In the state of New York, the product must only be used by commercial applicators at no more than 294 lbs of Hudson Valley Turf Fertilizer with 0.17% Dimension Herbicide per acre per year (0. 5 lb dithiopyr/acre/year). In Nassau and Suffolk Counties of New York, do not exceed 147 lb of Hudson Valley Turf Fertilizer with 0.17% Dimension Herbicide per acre per year per acre per year (0.25 lb dithiopyr/acre/year)

Control of Crabgrass

Preemergence and Early Postemergence Applications from Late Winter through Summer

- This product provides "preemergence" control of crabgrass in established turfgrasses (including the large, smooth, and southern species) when applied prior to germination and emergence of crabgrass at use rates from 147 to 294 pounds of product (0.25 to 0.5 lb active ingredient) per acre.
- This product also provides "early postemergence" control of crabgrass in late spring or early summer if applied prior to the 3-leaf stage of growth or first tiller as described below. This stage of growth generally corresponds to the time when crabgrass seedlings first become visible in the established turfgrass. The practical benefit of early postemergence crabgrass control is a 2 - 4 week longer period of time (window of application) during which crabgrass control can be achieved.

Fall Applications.

This product can also be applied in the late summer through early fall (late August through November) at use rates from 200 to 400 pounds per acre to provide control of crabgrass through the early part of the next spring. Fall application of this product may be followed by an appropriately timed application in the following spring for season-long control of crabgrass.

Weeds Controlled or Suppressed

Spring Applications

When applied preemergence (prior to germination) for control of crabgrass in the spring, this product will also control or suppress the following weeds:

Grasses		Broadleaf Weeds	
barley	<i>Hordeum</i> spp.	bittercress [†]	<i>Cardamine</i> spp.
barnyardgrass	<i>Echinochloa crus-galli</i>	carpetweed	<i>Mollugo verticillata</i>
bluegrass, annual	<i>Poa annua</i>	chickweed [†]	<i>Stellaria</i> spp.
brome	<i>Bromus</i> spp.	geranium, Carolina [†]	<i>Geranium carolinianum</i>
crabgrass, large	<i>Digitaria sanguinalis</i>	henbit	<i>Lamium</i> spp.
crabgrass, smooth	<i>Digitaria ischaemum</i>	knotweed, prostrate	<i>Polygonum aviculare</i>
crabgrass, Southern	<i>Digitaria ciliaris</i>	lespedeza, common [†]	<i>Lespedeza striata</i>
crowfootgrass [†]	<i>Dactyloctenium aegyptium</i>	marestail	<i>Conyza canadensis</i>
dallisgrass (seedling)	<i>Paspalum dilatatum</i>	medic, black	<i>Medicago lupulina</i>
goosegrass	<i>Eleusine indica</i>	mustard	<i>Brassica</i> spp.
foxtail, green	<i>Setaria verdi</i>	oxalis, buttercup	<i>Oxalis pes-caprae</i>
foxtail, yellow	<i>Setaria faberi</i>	pineappleweed [†]	<i>Matricaria matricarioides</i>
kikuyugrass [†]	<i>Pennisetum clandestinum</i>	pigweed, redroot	<i>Amaranthus retroflexus</i>
oats, wild	<i>Avena fatua</i>	parsley-piert [†]	<i>Alchemilla arvensis</i>
ryegrass	<i>Lolium</i> spp.	purslane, common	<i>Portulaca oleracea</i>
(annual & perennial)		rocket, London	<i>Sisymbrium irio</i>
sandbur	<i>Cenchrus</i> spp.	shepherdspurse	<i>Capsella bursa-pastoris</i>
smutgrass	<i>Sporobolus indicus</i>	speedwell, corn [†]	<i>Veronica arvensis</i>
		spurge, garden	<i>Euphorbia hirta</i>
		spurge, prostrate	<i>Euphorbia humistrata</i>
		spurge, spotted	<i>Euphorbia maculata</i>
		woodsorrel, creeping	<i>Oxalis corniculata</i>
		woodsorrel, yellow	<i>Oxalis stricta</i>

Fall Applications

When applied preemergence (prior to germination) in late summer through early fall (late August through November) this product will control or suppress the following weeds in addition to providing preemergence control of crabgrass in the following spring.

bluegrass, annual	<i>Poa annua</i>	geranium, Carolina	<i>Geranium carolinianum</i>
bittercress	<i>Cardamine</i> spp.	parsley-piert	<i>Alchemilla arvensis</i>
chickweed	<i>Stellaria</i> spp.	pineappleweed	<i>Matricaria matricarioides</i>
henbit	<i>Lamium</i> spp.	shepherdspurse	<i>Capsella bursa-pastoris</i>

Application Instructions and Equipment

This product may be applied with drop or rotary-type spreaders designed to apply granular herbicides. For best results, apply this product evenly and uniformly avoiding streaking, skips or overlaps. Avoid the use of spreaders that tend to apply granules in narrow rows or concentrated bands. Calibrate the spreader according to the manufacturer's directions. Initial spreader settings may require adjustment to deliver the specified application rate under actual application conditions. The desired calibration setting may be marked or recorded for future reference. Apply this product uniformly over the treatment area. More uniformity of application can usually be achieved by applying one-half of the required amount of product over the treatment area and then applying the remaining one-half in a different direction (e.g., at a right angle to the previous direction). Avoid streaking, skips, or overlaps during application.

Check equipment frequently to verify calibration and proper functioning.

Terms and Conditions of Use

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. To the extent permitted by law, otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies.

Warranty Disclaimer

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. To the extent permitted by law, SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Seller. To the extent permitted by law, all such risks shall be assumed by Buyer.

Limitation of Remedies

To the extent permitted by law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Seller's election, one of the following:

- Refund of purchase price paid by buyer or user for product bought, or
- Replacement of amount of product used.

To the extent permitted by law, seller shall not be liable for losses or damages resulting from handling or use of this product unless Seller is promptly notified of such loss or damage in writing. To the extent permitted by law, in no case shall Seller be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer, Inherent Risks of Use, and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of the Seller or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

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EPA accepted 05/03/19

It is a violation of law in Maryland, New Jersey and New Hampshire to apply this product to turf at a rate that results in greater than 0.7 lb per 1,000 sq.ft. of readily available nitrogen or more than 0.9 lb per 1,000 sq.ft. of total nitrogen with a least 20% of which shall consist of slow release nitrogen per application. Additional restrictions apply to total nitrogen applied to turf per season. Other state and local restrictions may apply.

Virginia Applications: No more than 0.7 lb per 1,000 sq.ft. of readily available nitrogen during any given 30 day period. No more than 0.9 lb (cool season grasses) or 1.0 lb (warm season grasses) per 1,000 sq.ft. of total nitrogen with a least 20% of which shall consist of slow release nitrogen during any given 30 day period.

Florida Applications: Do not exceed 2 applications per year on bahiagrass in the north. Do not apply more than 400 lb (0.5 lb active ingredient) per acre (9.2 lb per 1000 sq ft) per application or more than 1200 lb (1.5 lb active ingredient) per acre (27.6 lb per 1000 sq ft) per year if using split or sequential applications.

If this product is being sold in a state requiring the publication of information regarding its metal content, information regarding the contents and levels of metals in this product is available at the following website: http://www.aapfco.org/metals.html

Do not apply near water storm drains or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to your lawn, and sweep any product that lands on the driveway, sidewalk, or street back onto your lawn and garden.

^[1] Suppression