

U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

228-738

Date of Issuance:

11/30/2016

NOTICE OF PESTICIDE:

X Registration
Reregistration
(under FIFRA, as amended)

Term of Issuance:

EPA Reg. Number:

Conditional

Name of Pesticide Product:

Viper Weed and Feed (37.5#/5M)

Name and Address of Registrant (include ZIP Code):

Mr. Gregory C. Mattern Nufarm Americas, Inc. 4020 Aerial Center Parkway, Suite 101 Morrisville, NC 27560

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/registration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Date:

11/30/2016

Kathryn Montague, Product Manager 23

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Herbicide Branch

Registration Division (7505P) Office of Pesticide Programs

EPA Form 8570-6

- 2. You are required to comply with the data requirements described in the DCI identified below:
 - a. Mecoprop-p GDCI-129046-1480
 - b. 2,4-D GDCI-03001-1330

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division: http://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1

- 3. Be aware that proposed data requirements have been identified in a Work Plan for Dicamba. For more information on these proposed data requirements, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division:

 http://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1
- 4. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.
- 5. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 228-738."
- 6. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

Page 3 of 3 EPA Reg. No. 228-738 Decision No. 519682

- Basic CSF dated 07/07/2016
- Alternate CSF 1 dated 07/07/2016
- Alternate CSF 2 dated 07/07/2016
- Alternate CSF 3 dated 07/07/2016

If you have any questions, please contact Karen Samek by phone at (703) 347-8825, or via email at samek.karen@epa.gov.

Enclosure

ACCEPTED

11/30/2016

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 200

228-738

Residential

VIPER[®]

WEED AND FEED (37.5#/5M)

[THIS PRODUCT IS A PREMIUM GRADE HERBICIDE AND TURF FOOD COMBINATION WHICH CONTROLS A WIDE SPECTRUM OF BROADLEAF WEEDS WHILE PROVIDING LONG FEEDING ACTION]

[CONTAINS 2,4-D, MECOPROP-p AND DICAMBA] Treats (or covers) 5,000 sq. ft. [37.5 lb size] or [2,500 sq. ft. [18.75 lb size]]

GET THE OPTICAL ADVANTAGE®

ACTIVE INGREDIENTS:		
Isooctyl (2-ethylhexyl) Ester of 2,4-Dichlorophenoxyacetic Acid*	0.574	4%
2,4-Dichlorophenoxyacetic Acid*		
(+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid**‡.		
Dicamba (3,6-Dichloro-o-Anisic Acid)***		
OTHER INGREDIENTS:		
TOTAL:	100.000	ጋ%
Isomer Specific Method, Equivalent to:		
*2,4-Dichlorophenoxyacetic Acid (Total)	0.458	8%
**(+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid	0.153	
***3,6-Dichloro-o-Anisic Acid	0.037	
‡CONTAINS THE SINGLE ISOMER FORM OF MECOPROP-p		
GUARANTEED ANALYSIS:0		
Total Nitrogen (N)	>	K %
X% Ammoniacal Nitrogen	,	170
X% Urea Nitrogen		
· · · · · · · · · · · · · · · · · · ·		
Available Phosphate (P ₂ O ₅)	>	\%
Soluble Potash (K_2O)	>	۷%
Primary Plant Foods derived from [Ammonium Phosphate, Sulfur Coated Urea, Urea, Triple Super Phosphate,		
Muriate of Potash] [or list ingredient from product CSF].		
Chlorine (CI) Maximum	>	/ %
The urea nitrogen in this product has been coated to provide X% coated slow release urea nitrogen.		
[Fertilizer guaranteed by (Name of fertilizer registrant)]		

KEEP OUT OF REACH OF CHILDREN CAUTION

SEE BACK PANEL FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300 For Medical Emergencies Only, Call (877) 325-1840

EPA REG. NO. 228-XXX EPA EST. NO. XXXXX Manufactured For NUFARM AMERICAS INC. 11901 S. Austin Ave Alsip, IL 60803



NET WEIGHT [18.75 or 37.5 lbs; or other size between 10 and 50 lbs]

000228-00XXX.20161127 (Clean)

Residential

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wear long pants, long-sleeved shirt, socks and shoes when applying this product. After using this product, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

FIRST AID					
IF IN EYES	 Hold eye open and rinse slowly and gently with water for 15 to 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. 				
HOT LINE NUMBER					
Have the product of	container or label with you when calling a poison control center or doctor, or going for treatment. You may also				

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates and may adversely affect non-target plants. Do not apply directly to water. 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.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. READ ENTIRE LABEL BEFORE USING THIS PRODUCT. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

Do not apply this product in a way that will contact any person or pet, either directly or through drift. Keep people and pets out of the area during application. Do not allow people or pets to enter the treated area until dusts have settled.

Restrictions

Do not apply directly to or near water, storm drains, gutters, sewers, or drainage ditches. Do no apply within 25 feet of rivers, fish ponds, lakes, streams, reservoirs, marshes, estuaries, bays, and oceans. Do not apply when windy. Apply this product directly to your lawn or garden, and sweep any product landing on the driveway, sidewalk, gutter, or street back onto the treated area. To prevent product run-off, do not over water the treated area(s) to the point of runoff or apply when raining or when rain is expected that day. Do not use this product on or near desirable plants, including within the dripline of the roots of desirable trees and shrubs, since injury may result. Not for use on sod farms. The maximum rate is 7.5 lbs per 1,000 square feet per application. The maximum number of broadcast applications per treatment site is 2 per year with a minimum of 30 days between applications. Make no more than one application per year if two applications exceed your state's limit on total amount of fertilizer.

Use Information

This product is a stable mixture of four herbicides. It is for use on residential turf. This product may be used on Bahia, common Bermuda, Blue Grass, Centipede, Fescue, Rye, St. Augustine, and Zoysia grass. DO NOT USE on Dichondra and Carpet grass. DO NOT USE this product where desirable clovers are present or allow the product to "wind drift" onto flowers, vegetables, ornamentals, shrubs, trees or other desirable plants.

This product is designed to promote lush green growth in lawns and controls many broadleaf weeds:

Alder	Blue vervain	Carolina geranium	Croton	Flixweed
Annual yellow	Box elder	Carpetweed	Cudweed	Florida betony
sweet clover	Bracted plantain	Catchweed bedstraw	Curly dock	Florida pusley
Artichoke	Brassbuttons	Catsear	Curly indigo	Frenchweed
Aster	Bristly oxtongue	Catnip	Dandelion	Galinsoga
Austrian fieldcress	Broadleaf dock	Chickweed	Dead nettle	Garlic mustard
Bedstraw	Broadleaf plantain	Chicory	Dock	Goathead
Beggartick	Broomweed	Cinquefoil	Dogbane	Goatsbeard
Biden	Buckhorn	Clover	Dogfennel	Goldenrod
Bindweed	Buckhorn plantain	Cockle	Elderberry	Ground ivy
Bird vetch	Bulbous buttercup	Cocklebur	English daisy	Gumweed
Bitterweed	Bull nettle	Coffeebean	Fall dandelion	Hairy bittercress
Bitter wintercress	Bull thistle	Coffeeweed	False dandelion	Hairy fleabane
Black-eyed Susan	Burdock	Common chickweed	False flax	Hawkweed
Black medic	Burning nettle	Common mullein	False sunflower	Healall
Black mustard	Bur ragweed	Common sowthistle	Fiddleneck	Heartleaf drymary
Blackseed plantain	Burweed	Corn chamomile	Field bindweed	Hedge bindweed
Blessed thistle	Buttercup	Creeping jenny	Field pansy	
Blue lettuce	Canada thistle	Crimson clover	Flea bane (daisy)	(Continued)

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Under seveland	Name of alasta!	Description	0	10/
Hedge mustard	Narrowleaf plantain	Ragweed	Spurge	Western salsify
Hemp	Narrowleaf vetch	Red clover	Spurweed	White clover
Henbit	Nettle	Redroot pigweed	Stinging nettle	White mustard
Hoary cress	Orange hawkweed	Red sorrel	Stinkweed	Wild mustard
Hoary plantain	Oxalis	Redstem filaree	Stitchwort	Wild aster
Hoary vervain	Oxeye daisy	Rough cinquefoil	Strawberry clover	Wild buckwheat
Honeysuckle	Parsley-piert	Rough fleabane	Sumac	Wild carrot
Hop clover	Parsnip	Roundleafed marigold	Sunflower	Wild four-o'-clock
Horsenettle	Pearlwort	Rush	Sweet clover	Wild garlic
Horsetail	Pennycress	Russian pigweed	Tall nettle	Wild geranium
Indiana mallow	Pennywort	Russian thistle	Tall vervain	Wild lettuce
Ironweed	Peppergrass	St. Johnswort	Tansy mustard	Wild marigold
Jewelweed	Pepperweed	Scarlet pimpernel	Tansy ragwort	Wild onion
Jimsonweed	Pigweed	Scotch thistle	Tanweed	Wild parsnip
Kochia	Pineywoods bedstraw	Sheep sorrel	Tarweed	Wild radish
Knawel	Plains coreopsis	Shepherdspurse	Thistle	Wild rape
Knotweed	Plantain	Slender plantain	Tick trefoil	Wild strawberry
Lambsquarter	Poison hemlock	Smallflower galinsoga	Toadflax	Wild sweet potato
Lespedeza	Poison ivy	Smartweed	Trailing Crownvetch	Wild vetch
Locoweed	Poison oak	Smooth dock	Tumble mustard	Willow
Lupine	Pokeweed	Smooth pigweed	Tumble pigweed	Witchweed
Mallow	Poorjoe	Sneezeweed	Tumbleweed	Woolly morningglory
Marshelder	Povertyweed	Southern wild rose	Velvet leaf	Woodsorrel
Matchweed	Prickly lettuce	Sowthistle	Venice mallow	Woolly croton
Mexicanweed	Prickly sida	Spanishneedle	Veronica	Woolly plantain
Milk vetch	Primrose	Spatterdock	Vervain	Wormseed
Milkweed bloodflower	Prostrate knotweed	Speedwell	Vetch	Yarrow
Mugwort	Prostrate pigweed	Spiny Amaranth	Virginia buttonweed	Yellow rocket
Morningglory	Prostrate spurge	Spiny cocklebur	Virginia creeper	Yellowflower
Mousear chickweed	Prostrate vervain	Spotted catsear	Virginia pepperweed	pepperweed
Musk thistle	Puncture vine	Spotted knapweed	Wavyleaf bullthistle	
Mustard	Purslane	Spotted spurge	Western clematis	

WHEN TO APPLY: Best results are obtained when weeds are growing actively in spring or early fall. Avoid contact with desirable shrubs, plants, vegetables, or flowers; especially when applying with a rotary (spinner) type spreader. Do not reseed for at least 3 to 4 weeks after application. Do not apply to newly seeded or sodded lawn until after 3 mowings. For optimum results (1) Avoid mowing 1 to 2 days before and after application; (2) Apply when grass is moist (after a rain sprinkling or dew); (3) Avoid unnecessary disturbances, including watering of treated areas for 48 hours after application. Watering will wash off weed killing material; and (4) Avoid applying if rainfall is expected within 48 hours following treatment. Do not exceed recommended rates because damage to turf may occur. [Optional Statement (do not include if precluded by State fertilizer limits): Possible retreatment in approximately 30 days may be necessary if lawn is heavily overrun with weeds or if adverse low moisture conditions prevail and weeds are in a state of poor growth.]

[Optional Statement - For Southern blend product only: NOTE: When applying to Southern Grasses - under conditions of inadequate moisture, high temperature and high humidity, over-application may cause minor transitory discoloration on Centipede and St. Augustine grasses. It is recommended that during hot, dry conditions, application rates should be reduced 50% to avoid possible dehydration or browning of grass.]

HOW TO APPLY: This [37.5 lb bag treats 5,000 square feet] [18.75 lb bag treats 2,500 square feet] [adjust according to net contents]. Apply evenly with a lawn spreader as a one pass application. A two pass application, criss-crossing the area at half the rate each time is equal to one application.

The following settings are <u>approximate</u> for applying contents of this package at a rate of 7.5 lbs per 1,000 square feet. Settings are based on an average walking speed. Reduce setting for slower speed; raise setting for higher speed. Check your spreader on 250 square feet and adjust to apply at the rate of 1.875 pound per 250 square feet.

SPREADER SETTINGS ONE PASS APPLICATION^o

<u>MAKE</u>	SETTING
Central Calibrated	5
Cyclone Broadcast	3-3/4
Jackson	5
Sears Broadcast	3
Sears	5
Scotts Calibrated	4

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Sweep (do not wash) all fertilizer materials from surfaces immediately after application, because certain fertilizer ingredients can cause permanent stains. Wash out spreader after each use and allow it to dry thoroughly. Treat any exposed metal spreader areas with oil to reduce corrosion.

(The following paragraph is mandatory in Kentucky when the nitrogen analysis does not provide 1 pound of nitrogen per 1,000 square feet; otherwise, this information is optional.)

A lawn typically will utilize 1 to 4 pounds of nitrogen per 1,000 square feet per growing season. When used as directed, this product will supplement your regular fertilizer program by providing $\frac{*(No. \text{ of lbs.})}{(No. \text{ of lbs.})}$ pounds of nitrogen per 1,000 square feet (optional P_2O_5 and K_2O levels) and herbicide to control listed weeds. Please consult your local extension office for questions regarding a regular fertilizer program.

*Based on inert fertilizer claimed.

Environmental Benefits

Besides increasing property values, did you know a well-maintained lawn provides the following benefits to your home and environment:

(Grasscycling Logo)

Grass clippings and yard waste are approximately 20% of the volume in our nation's landfills. To do your part to reduce this amount, leave grass clippings on your lawn. Increased mowing height and frequency will produce smaller grass clippings that will decompose more readily so nutrients go back into your lawn.

- A 50' x 50' lawn produces enough oygen for a family of 4 every day
- √ Reduces Glare & Reduces Noise
- Traps Dust, Smoke Particles & Other Pollutants
- √ Purifies Water & Modifies Temperature
- Improves Soil Condition & Controls Erosion

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container and keep any bags containing unused product in locked storage area inaccessible to children and domestic animals. Do not store near feed or foodstuffs. To prevent cross-contamination, do not store near open containers of fertilizer, seed, or other pesticides.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor (including toilet) or outdoor (including sewer) drain.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. To the extent consistent with applicable law, (1) the goods delivered to you are furnished "as is" by manufacturer or seller and (2) manufacturer and seller make no warranties, guarantees, or representations of any kind to buyer or user, either express or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to merchantability, fitness for a particular purpose, use, or eligibility of the product for any particular trade usage. Unintended consequences, including but not limited to ineffectiveness, may result because of such factors as the presence or absence of other materials used in combination with the goods, or the manner of use or application, including weather, all of which are beyond the control of manufacturer or seller and assumed by buyer or user. This writing contains all of the representations and agreements between buyer, manufacturer and seller, and no person or agent of manufacturer or seller has any authority to make any representation or warranty or agreement relating in any way to these goods.

LIMITATION OF LIABILITY

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE, APPLICATION, HANDLING, AND DISPOSAL. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BY WAY OF INDEMNIFICATION TO BUYER OR TO CUSTOMERS OF BUYER, IF ANY, OR FOR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR RISING OUT OF THE MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR ITS CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do	not agree wit	h or do not ac	cept any of dire	ections for use,	the warranty of	disclaimers, d	or limitations or	1 liability, do
nót use	the product, a	nd return it ur	opened to the	Seller, and the i	ourchase price	will be refún	ided.	• •

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Viper and The Optical Advantage are registered trademarks of Nufarm Americas Inc. All other trademarks are the property of their respective owners. This product is protected by U.S. Patent No. 6,579,831. No license granted under any non-U.S. Patent(s)

OPTIONAL SPREADER INSTRUCTIONS:

For Drop Spreaders: First apply two strips at ends. Then apply product along the length of the lawn, overlapping very slightly and shutting off spreader when turning.

For Rotary Spreaders: Apply in a circular path, starting on the outside and working toward the center, overlapping very slightly.

The following note will not be part of the actual label copy.

°NOTE: Guaranteed (fertilizer) Analysis and Spreader Settings will vary amount various commercial fertilizer

manufacturers. Chlorine declaration and fertilizer guarantee are optional except where mandated by State

fertilizer regulation.

Editor's notes: 1. Subregistrant Warranty Statements previously accepted by U.S. EPA for use on their own registered products are not included on this label.

2. Subregistrant's trademark name acknowledgments are not included on this label.

Alternate (Optional) Marketing and Fertilizer Statements:

[Weeds contacted by this product gradually die and disappear from the lawn]

[Treats (or covers) 5,000 sq. ft. [37.5 lb size] or [(2,500 sq. ft. [18.75 lb size)]]

[Premium grade herbicide] [and turf food combination]

[Controls a wide spectrum of broadleaf weeds while providing long feeding action]

[Feeds for up to 6 months]

[Feeds your lawn for 6 months]

[Feed and weed and one application]

[One application is all you need]

[Feeds all season]

[Fertilizer last 6 months]

[Fertilizer lasts all season]

[Does not burn]

[90% slow release Nitrogen]

[Uses less fertilizer than conventional 4 app program]

[No surge grass growth after application - less clippings]

[Less clippings]

[Reduced surge growth]

[Reduced clippings]

[One application keeps grass green for 6 months]

[One application lasts 6 months]

[Lasts 6 months]

[Spread once when you see the first Dandelion in the spring and you are done]

[One application per season]

[Lasts all season]

[Save money - Save time]

[Save Time]

[Save money]

[More green - Less clippings]

[Long green - less clippings]

[Mow less frequently]

[Spread once and enjoy your lawn all season]

[Weed & Feed]

[The newest fertilizer coating technology releases fertilizer slowly when grass needs it]

[Unique slow release nitrogen technology]

[You get a better value and more time to enjoy your lawn]

[Season long fertilizer with dandelion control]

[More time to enjoy your lawn]

[Spread once and enjoy your lawn for 6 months]

[Spread once and enjoy your lawn all season]

[Done in one application]

[Why spread 4 times when you can do it in one]

[Controls over 175 [or list exact # on label] weeds]

[Spread it & Forget it]

[High tech weed control]

[Controls dandelions]

[Dandelion control]

[Season pass Lawn fertilizer]

[Season pass]

[Liberty lawn fertilizer]

[Liberty]