North Street	PM 23	1/30	/98	9198	3-123	P2 171	
€EPA		United States ental Protection shington, DC 2046		RegistAmenoXOther		OPP Identifier Number 233829	
		Application					
1. Company/Product Number	198-123		Z EPA	Product Manage Miller	er	3. Proposed Classification	
4. Company/Product (Name) The Andersons Barricade H			PM#	23		X None Restricted	
5. Name and Address of Applic						with FIFRA Section 3(c)(3)	
The Andersons, Lawn Fe		ion	(ð)(i), I	n product is sin	nilar or identic	al in composition and labeling to:	
d/b/a Free Flow Fertilizer P.O. Box 119	•		EPA R	EPA Reg. No.			
Maumee, O <u>H 4</u> 3537		-	Produz	Product Name			
Check here	if this is a new a		<u>с</u>				
Amendment - Explain below			Section II	E grinte: 1 labels	in response to	Agency Ista TION	
-				-		JAN 3 0 1998	
Resubmission in response to	Agency letter d	ated	-F.4	= Too" ∴pplicat	ion.	AKA D A 1988	
Notification - Explain below				≪ - expizin belo	w		
Explanation: Use additional page Notification of Minor Lab							
nd expressing application rat einstate "barnyardgrass" und his notification is consistent with the prov	e in pounds pe er "Weeds Cor risions of PR Notice	r 1000 square feet atrolled" section.	in addition to This was appre at 40 CFR 157146, a	pounds per act wed on Januar ac 10 other shanges	re under "Ma: y 11, 1995 la have been made to	the labeling or the confidential statement of	
ormula of this product. I understand that i erms of PR Notice 95-2 and 40 CFR 152.4	t is a violation of 18 6, this product may	be in violation of FIFRA a	nd I may re subject.	zeenent w EPA., I f z enforcement action	urther understand t n and penalties und	hat if this notification is not consistent with the er sections 12 and 14 of FIFRA.	
. Material This Product Will	Ro Poolegod I		Section III				
Child-Resistant Packaging	Unit Packagi		Water Soluble	-aritaging	2. Type of C	Container	
Yes *	Yes	Ļ	Yes		Metal		
No		Į	<u>N</u> ₀	-	Plastic Glass		
Certification must be ubmitted	If "Yes," Unit Package	wgt. container	If "Yes." Unn Package = container	Ng., per gt	Paper Other (S	pecify)	
. Location of Net Contents Info	 http://www.otion	4. Size(s) of Ret	ail Carriera			of I abal Directions	
Label Container	rmation	4. Size(s) of Ret	all Cominer		On labe	n of Label Directions I eling accompanying product	
. Manner In which Label Is Af	fixed To Produc	t Lithograph Paper glued Stenciled		z ()	
			Section IV		· · · · · · · · · · · · · · · · · · ·		
. Contact Point (Complete item Jame	s directly below	for identification of		contacted, if ne			
Jame Dawn L. Walters		, 	Title Regulatory	Administrato		phone No. (Include Area Code) 9) 891-2781	
certify that the statements I have acknowledge that any knowing oth under applicable law.	e made on this fo				d complete.	6. Date Application Received (Stamped)	
2. Signature Dawn R. Wall	irs	3. Trile	Regulatory A	dministrator		· · · · · · · · · · · · · · · · · · ·	
 Typed Name 		5. Date				• ••	
. Typed Name		J. Dat			4		
Dawn L. Walters		J. Dat	1/	14'98		••••	

NOTIFICATION

JAN 3 0 1998

THE ANDERSONS BARRICADE HERBICIDE I

ACTIVE INGREDIENT: Prodiamine: [N ³ ,N ³ -Di- <u>n</u> -propyl-2,4-dinitro-6-(trifluoromethyl)- <u>m</u> - phenylenediamine]	, 2
INERT INGREDIENTS:	2
TOTAL:	

Guaranteed Fertilizer Analysis:

Nitrogen	32 %	(N)
Phosphorus	4 %	(P ₂ O ₅)
Potassium	6 %	(K ₂ O)

Nitrogen from: Urea formaldehyde, Urea, Ammonia

For selective preemergence control of grass and broadleaf weeds in:

- established turf grasses (excluding golf course putting greens) and lawns
- landscape ornamentals (including perennial & wildflower plantings)

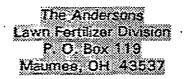
KEEP OUT OF REACH OF CHILDREN

CAUTION

See the following section, <u>Precautionary Statements, Hazards To Humans and Domestic</u> <u>Animals</u>, for additional information.

Net Weight:

EPA Reg No. 9198-123 EPA Est. No.



BARRICADE® is a Registered Trademark of Sandoz, Ltd.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye injury (irritation). Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact while handling the material may cause allergic reactions in some individuals.

Statements of Practical Treatment

If in eyes: Flush thoroughly with water for several minutes. Get medical attention if irritation persists.

If on skin: Wash with soap and water. Rinse thoroughly. Get medical attention if irritation persists.

If inhaled: Remove victim to fresh air.

Environmental Hazards

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This product has low solubility in water. At the limits of solubility, this product is not toxic to fish. However, at concentrations above the level of water solubility, it may be toxic to fish. 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 from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment washwaters.

STORAGE AND DISPOSAL

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

STORAGE

Store in original container away from other fertilizer, feed, or food stuffs and separated from other pesticides.

PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL

<u>Plastic Containers</u>: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or; puncture and dispose of in a sanitary landfill or at an incineration facility, or; if allowed by state and local authorities, by burning locally. If burned, stay out of smoke.

<u>Paper and plastic containers:</u> Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill or at an incineration facility, or; if allowed by state and local authorities, by burning locally. If burned, stay out of smoke.

<u>Fiber Drums:</u> Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residues into application equipment. Dispose of empty liner in a sanitary landfill or at an incineration facility if allowed by state and local authorities. If the drum cannot be reused, dispose of in a sanitary landfill or by incineration if allowed by state and local authorities.

DIRECTIONS FOR USE

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

This product is a selective preemergence herbicide that provides residual control of many grass and broadleaf weeds in turf grasses and landscapes. This product controls susceptible weeds by inhibiting weed seeds germination and root development. For most effective weed control this product must be incorporated by 1/2 inch of rainfall, irrigation, or shallow mechanical incorporation. Incorporation should take place as soon as possible after application and should not be delayed past 14 days from the date of application.

Not for use on plants being grown (1) for sale or other commercial use, (2) for commercial seed production, or (3) 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.

Optional WPS exclusionary statement for final printed labels which do not include ornamentals:

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 graze or feed livestock forage cut from areas treated with this product.

Do not apply this product through any type of irrigation system.

Do not apply aerially.

Do not apply to golf course putting greens.

Application Directions

Apply uniformly through suitable, calibrated commercial application equipment.

ESTABLISHED TURF

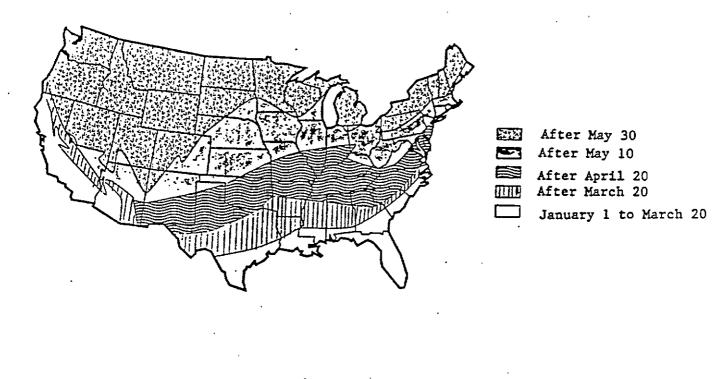
This product is a selective preemergence herbicide that, when properly applied, will control certain grass and broadleaf weeds in established turf grass and lawns. The species of turf grass determines the maximum amount of material that may be applied during a year.

Most effective weed control in turf grasses will be obtained when this product is activated by at least 0.5 inch of rainfall or irrigation within 14 days after application and prior to weed germination. See the map below for approximate crabgrass germination dates.

CRABGRASS SEED GERMINATION DATES

Approximate Date

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Use Precautions

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The following use precautions apply to the use of this product in turf grasses and lawns:

Application of this product may thin emerged annual bluegrass and newly over-seeded grasses.

Do not apply to OVERSEEDED TURF for 60 days after seeding or until after the second mowing, whichever is longer. Injury to desirable seedlings is likely if this product is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil.

Do not apply to newly set sod until the following year.

Application of this product to turf stressed by drought, low fertility, or pest damage may result in turf injury.

Disturbing the herbicide barrier with cultural practices such as disking may result in reduced weed control.

Do not apply this product to putting greens or areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (<u>Poa annua</u>) are desirable species.

Maximum Annual Rates

This product should not be applied above a maximum annual rate of 714 lb/A. or 16.4 lbs./1000 sq. ft.

Turf Species and Rates

For season long control this product may be applied as a single application, or if needed followed by a second application for increased length of control. The length of time of residual weed control provided by this product is related to the rate applied. Use the higher rate within the listed range for longer control. Longer control is desirable in areas where crabgrass germinates between January 1 and April 20 (See Crabgrass Seed Germination Data Map).

Select maximum use rate based on turf grass species. All applications must be made prior to germination of the target weed seeds. This product will not control established weeds.

Turf Species and Rates Table: MAXIMUM RATE/CALENDAR YEAR of THE ANDERSONS BARRICADE HERBICIDE I by Turf Grass Species ¹					
Bermudagrass ² Bahiagrass Centipedegrass Seashore Paspalum Tall Fescue (including turf-type) Zoysia	2114	1.5			
Buffalograss Kentucky Bluegrass Perennial Ryegrass	476	1.0			
Creeping Red Fescue St. Augustinegrass	352	0.75			
Creeping Bentgrass	3114	0.65			

1 These are the maximum rate per calendar year by species limitations.

2 May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 248 Ib/A. Newly sprigged or plugged Bermudagrass stolon rooting may be temporarily retarded. Suppression only of Foxtail, Goosegrass and Rescuegrass due to reduced product rates used in sprigging situations.

- Do not apply more than 24 b of this product per calendar year.
- Use higher rates of this product to achieve higher levels of fertility and weed control for each turf type.

Weeds Controlled

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When used at the recommended rates (see Turf Species and Rates Table) this product will control:

Barnyardgrass Bluegrass, Annual (<u>Poa annua</u>) Crabgrass (large, smooth) Foxtaïls, Annual Goosegrass¹ Johnsongrass (from seed) Rescuegrass³ Signalgrass, Broadleaf

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Carpetweed Chickweed, Common Henbit Knotweed Lambsquarter, Common Pigweed Purslane, Common Shepard's-purse² Spurge, Prostrate Woodsorrel, Yellow (from seed)

Do not exceed the maximum annual application rates recommended for the turf species. All applications must be made prior to germination of weed seeds. This product will not control established weeds.

³ Suppression only.

In many areas a single application of 314 to 714 lb/A of this product will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, make an initial application of 314 to 476 lb/A followed after 60 to 90 days by a second application of 248 to 400 lb/A, respectively, for season long goosegrass control. Do not exceed the maximum rate for turf grass species listed in the Maximum Annual Rate Table above.

² Winter weeds are best controlled by applications made prior to germination: late summer, fall or winter timings.

Overseeding/Reseeding

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This product will inhibit the germination of turf species if overseeded/reseeded too soon after application. The interval between application and overseeding/reseeding is dependent on the application rate, soil temperature, and soil moisture. A shorter interval is possible if growing conditions are warm and wet, while a longer interval is needed if conditions are cool and dry.

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Use the Overseeding/Reseeding Intervals Table below as a guide when choosing the appropriate overseeding/reseeding interval for each situation.

This Product Rate (Ib/A)	Overseeding/Reseeding Interval (months) Based Upon Seeding Method and Predominant Soil Conditions for the Season					
	Broadcast	Seeding	Drill Seeding			
	Wet and Warm	Cool and Dry	Wet and Warm	Cool and Dry		
248	4 · · · -	6	3	4		
476	8	12	6	8		
714	12	18	9	12		

Overseeding/Reseeding Intervals Table:

LANDSCAPE ORNAMENTALS (including Perennial and Wildflower Plantings)

This product may be applied for residual preemergence weed control in ornamentals.

Use Rates

Apply this product at 314 to 714 lb/A in fall and/or spring. Use the higher rate of application for longer control periods. Sequential or single applications are allowed so long as the total amount of product applied does not exceed the maximum annual application rate of 214 lb/A.

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Application Timing and Information

Apply this product prior to weed seed germination to the soil surface surrounding established tolerant ornamentals listed below. Delay application to allow soil to settle around new transplants and water thoroughly before applying this product. Apply this product after cuttings form roots and become established.

This product is a preemergence herbicide and will not control emerged weeds. Most effective weed control in ornamentals will be obtained when this product is activated by at least 0.5 in of rainfall or irrigation, or with shallow (1 to 2 in) mechanical incorporation, before weed seeds germinate. Acceptable control will be obtained when this product is activated within 14 days after application.

Best weed control is obtained when this product is applied to soil free of clods, weeds, and debris such as leaves and mulch. Prior to application of this product, control existing vegetation by hand weeding, cultivation or the use of an appropriate postemergence herbicide.

Tolerant Ornamental Species

This product will not harm most established ornamental trees, shrubs and flowers. The species listed below are tolerant to this product. Best results will be obtained when this product is uniformly applied to the soil surface; avoid applying to ornamental shoots which may defeat the effort to get uniform distribution on the soil surface. This product may be applied over the top of these species without injury.

Scientific name

Acer palmatum A. platanoides Actinidia chinensis Agapanthus africanus Arctostaphylos densiflora Arctotheca calendula Aucuba japonica Barberis gladwynensis B. julianae B. mentorensis B. thunbergii B. verruculosa Buxus microphylla Callistemon viminalis Calluna vulgaris Carpobrotus edulis Cassia artemisoides Ceanothus rigidus Chamaecyparis pisifera Clevera japonica Citrus spp. Cornus florida C. stolonifera Cortaderia selloana Cotoneaster apiculatus C. buxifolius C. dammeri C. microphyllus Cretaegus spp. Cupressus sempervirens Delasperma alba Dodonea viscosa Elaeagnus pungens Euonymus fortunei E. japonica E. kiautschovica Fatsia japonica Forsythia intermedia F. viridissima Gardenia jasminoides Hedera helix Hibiscus rosa-sinensis llex cornuta I. crenata I. opaca I. pernyi

Common name

Japanese Maple Norway Maple Kiwi* Lily-of-the-Nile Vine Hill Manzanita Cape Weed Japanese Aucuba Barberry Wintergreen Barberry Mentor Barberry Japanese Barberry Warty Barberry Japanese Boxwood Weeping Bottlebrush Scotch Heather Hottentot Fig (Ice Plant) **Feathery Cassia** Wild Lilac False Cypress Clevera Citrus species* Flowering Dogwood American Dogwood Pampas Grass Cranberry Cotoneaster Cotoneaster Bearberry Cotoneaster **Rockspray Cotoneaster** Hawthorne* Italian Cypress White Trailing Ice Plant Hop Bush Silverberry Wintercreeper **Evergreen Euonymus** Spreading Euonymus Japanese Aralia **Border Forsythia** Greenstem Forsythia Gardenia, Cape-Jasmine English Ivy Chinese Hibiscus Chinese Holly. Japanese Holly American Holly Holly

Scientific name

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Jasminium nudiflorum Juniperus chinensis J. conferta J. horizontalis Juglans sp. Justicia brandegeana Lagerstromia indica Ligustrum amurense L. japonicum L. lucidum Liriope muscari Lonicera japonica L. tatarica Maleophora luteola Malus sp. Nandina domestica Olea europa Ophiopogon japonicus Osteospermum fruticosum Oxydendrum arboreum Persea americana Photinia fraseri Picea abies Pieris japonica Pinus brutia P. canariensis P. halepensis P. nigra P. radiata P. thunbergiana P. strobus P. sylvestris Pistachio sp. Pittosporum rhombifolium P. tobira Podocarpus macrophyllus Prunus laurocerasus Prunus sp.

Pyracantha coccinea P. fortuneana P. koidzumii Pyrus sp. Quercus rubra Raphiolepis indica Common name

Winter Jasmine Chinese Juniper Shore Juniper **Creeping Juniper** Walnut* Shrimp Plant Crepe Myrtle Amur Privet Japanese Privet **Glossy Privet Big Blue Lily Turf** Japanese Honeysuckle Tatarian Honevsuckle Ice Plant Crabapple* Heavenly Bamboo Olive* Mondo Grass Trailing African Daisy Sourwood Avocado* Frasier's Photinia Norway Spruce Lily-of-the-Valley Shrub Calabrian Pine Canary Island Pine Aleppo Pine Austrian Black Pine Monterey Pine Japanese Black Pine Eastern White Pine Scotch Pine Pistachio* Queensland Pittosporum Japanese Pittosporum Japanese Yew English Laurel Almond, Apricot, Nectarine, Peach, Plum and Prune* Firethorn Firethorn Firethorn Bradford Pear sp. Red Oak Indian Hawthorne

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Scientific name

Rhododendron (including Azalea)

Rosa banksiae Rosmarinus officinalis Santolina virens Sedum album Syzygium paniculatum Taxus cuspidata T. media Thuja occidentalis Trachelospermum asiatum Tsuga canadensis Viburnum japonicum V. odoratissimum V. plicatum V. rigidum V. tinus V. trilobium V. wrightii Vinca minor Vitis sp. Weigela florida Yucca aloifolia Y. filamentosa

Common name

'Coral Bells' 'Formosa' 'Hino-crimson' 'PJM' 'Roseum Elegans' Lady Bank's Rose Rosemary

Stonecrop Japanese Boxcherry Japanese Yew Yew American Arborvitae Star Jasmine Canada Hemlock Japanese Viburnum Sweet Viburnum Japanese Snowball Canary Island Viburnum Laurustinus Cranberry Bush

Dwarf Periwinkle Grape* Old Fashioned Weigela Spanish Bayonet Yucca, Adam's Needle

*Ornamental species only. Do not use on food producing trees or vines.

MANUFACTURERS STATEMENT

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This product conforms to the ingredient statement on the label. Manufacturer's directions regarding use of this product are based upon tests believed to be reliable. All statements made concerning this product apply only when used as directed under normal use conditions. FOLLOW DIRECTIONS CAREFULLY. Timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the manufacturer. Buyer assumes all risks of use, storage and handling of this product.

THIS PRODUCT IS SOLD AS IS. MANUFACTURER MAKES NO WARRANTIES, EXPRESS OR IMPLIED. IN NO EVENT SHALL MANUFACTURER BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND.

Notification 1/12/98: Additional fertilizer analysis, marketing program, spreader directions

Optional Fertilizer Analysis:

Guaranteed Analysis Total Nitrogen (N) 1.17% Ammoniacal Nitrogen				
26.83% Urea Nitrogen*				
Available Phosphate (P2O5)		The second second second	;	
Soluble Potash (K2O)				
Sulfur (S)			,	1:
3.5% Free Sulfur (S)	· · · ·	The second se	·· · · · ·	

Plant nutrients derived from ammonium phosphate, urea, muriate of potash, and polymer coated sulfur coated urea. *8.9% Slowly Available Urea Nitrogen from Polymer Coated Sulfur Coated Urea

Optional Marketing Information:

Sam's Choice™ Fertilizer Program

The Following represents the suggested application timing of the products listed in the Sam's Choice™ Program. Abnormal climatic conditions can affect appropriate timing.



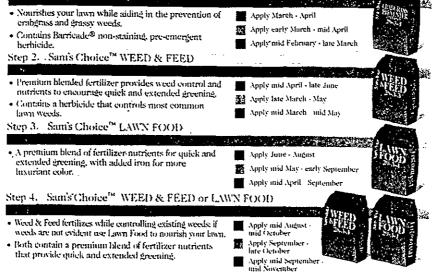
Bluegrass, Ryegrass, Fine & Tall Fescues 16/17

Binegrass, Ryegrass, Fine & Tall Feseues, Bernudagrass, Zoysiagrass

Common Berniudagrass, Zoysiagrass, Centipedegrass, Bahiagrass, St. Augustine

Four steps to a more beautiful lawn! Begin the program by simply applying the product that corresponds to the current season - it's that easy!

Step 1. Sam's Choice™ CRABGRASS PREVENTER plus LAWN FOOD



Optional Spreader Directions:

Broadcast Spreader Settings

For one pass application: For best results, apply in a circular path starting on the outside and working toward the center. A little overlap of product will ensure complete coverage.

Drop Spreader Settings

For one pass application: For best results, apply 2 border strips along the edge of each end of the lawn. Then apply product along the length of the lawn, overlapping slightly and shutting off the spreader before turning as you reach the edge of the border strips.





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To determine square footage of application area, follow calculation chart.



