



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

JAN 3 1 1994

OFFICE OF PREVENTION, PESTICIDES AND TOYIC BURSTANCES

Larry R. Hammond DOWELANCO QUAD IV 9002 PURDUE RD INDIANAPOLIS IN 46268

Subject:

Label Amendment Submission of 07/08/93 in Response to PR Notice 93-7

EPA Reg. No. 62719-218 STATESMAN HERBICIDE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

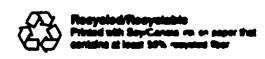
WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling AND
- WITHIN one year from date of this acceptance.



Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,

Jim Tompkins, Deputy Chief Registration Support Branch Registration Division (7505W)

Attachment

ND

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division

Larry E. Hammond DOWELANCO QUAD IV 9002 PURDUE RD INDIANAPOLIS IN 46268

Subject: Label Amendment Submission of 07/08/93 to Comply with WPS Labeling Requirements

EPA Reg Nr. 62719-218 STATESMAN HERBICIDE.

The following specific comments pertain to your WPS labeling submission concerning the product cited above:

Add the following sentence to the paragraph on laundering PPE: "After each day of use, clothing or PPE must not be reused until it has been cleaned." Please refer to the special 2,4-D guidance issued by EPA on September 13, 1993 (page 4) for placement of the sentence.

Please conform with the special 2,4-D guidance issued by EPA on September 13, 1993 for adding WPS statements.

The statements in the User Safety Recommendations box must be limited to those listed on pages 4-5 in the special 2,4-D guidance issued by EPA on September 13, 1994.

The statement on your proposed label that references the Agricultural Use Requirements box in your proposed supplemental labeling contains incorrect language. Use the exact text and placement of the referral statement as shown on page 43 in Supplement Three to PR Notice 93-7.

Labeling amended to meet the requirements of the Worker Protection Standard (WPS) as Reductions Program.

(Editors Note: Deleted text Indicated by strike-through and added text underlined)

(Container Label)

Statesman®

For Selective Control of Many Broadlesf Weeds in Non-Crop Areas, Forest Sites, Grass ! Rangelands, Aquatic Areas, and in Certain Crops.

Precautionary Statements

Hazards to Humans and Domestic Animals

†Isomer Specific by AOAC Method No. 978.05 (15th Ed.)

Keep Out of Reach of Children

DANGER <u>PELIGRO</u>:

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle, not understand the label, find someone to explain it to you in detail.

Corrosive - Causes irreversible Eye Damage - Harmful if Absorbed Through Skin Or Inh.

Do not get in eyes, on skin, or on ciothing. When mixing, loading or applying this product repairing or cleaning equipment used with this product, wear eye protection (face shield glasses), chemical resistant gloves, long-sleeved shirt, long pants, socks and shoes. It recommended that safety glasses include front, brow and temple protection. For serial applicators in an enclosed cockpit and applicators applying this product from a tractor to completely enclosed cab, eye protection is not required. Wash hands, face and arms with and water as soon as possible after mixing, loading or applying this product. Wash hand arms with soop and water before esting, smoking or drinking. Wash hands and arms be the tolist.

After work, remove all clothing and shower using scap and water. Do not reuse clothing during previous days mixing, loading or application of this product. Clothing must be knowned asparately from other household laundry. Remove asturated clothing as soon and shower.

(Editor's note: The above personal hygeine statements were incorporated into User Sate Recommendations)

Personal Protective Equipment (PPE)

Applicators and other handlers, including persons requiring or cleaning equipment, must

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective everwear such as face shield or safety classes (brow and temple protection recomprotection is not required for ground or serial applicators in completely enclosed cabs or coc

ACCEPTED
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le EPA Letter Dated

JAN 3 | 1994 Under the Federal Investibility Fundicide, and Bedevaldide Act as assended, for the predicide registered under EPA Res. 627/9-218 **BEST AVAILABLE C**

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

Engineering Controls Statements:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protections Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Wash hands, face and arms with soap and water as soon as possible after mixing, loading or applying this product and before eating, smoking or drinking. Wash hands and arms before using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing.
 After work, remove all clothing, shower using soap and water and change into clean clothing. Launder clothing worn during mixing, loading, application or cleaning and repairing equipment before reuse.

First Ald:

If In eyes: Hold eyelids open and flush with a gentle, steady stream of water for 15 minutes. Get medical attention.

If on skin: Wash with plenty of soap and water. Get medical attention # irritation develops.

If swallowed: Drink promptly a large quantity of milk, egg white, gelatin solution, or if these are not available, large quantities of water. Avoid alcohol.

If Inhaled: Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention.

Environmental Hazards

Drift or run off may adversely effect non-target plants. Do not apply directly to water except as specified on this label. Do not contaminate water when disposing of equipment wash waters.

Mixing and Loading: Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-dichlorophenoxyacetic acid have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-dichlorophenoxyacetic acid pesticides at such sites to prevent conts. Thation of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

Refer to label booklet for additional precautionary information including Personal Protective Equipment (PPE), and Directions for Use Including Agricultural Use Requirements and Storage and Disposal.

Notice: Read the entire label before using. Use only according to label directions. Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies" inside label booklet. In case of emergency endangering life or property involving this product, call collect 517-636-4400. Agricultural Chemical: do not ship or store with food, feeds, drugs, or clothing.

EPA Reg. No. 62719-218 EPA Est. 464-MI-1

DowElanco - Indianapolie, Indiana 46268, USA

Herbicide

Net Weight __ lb

(Label Booklet)

Statesman®

For Selective Control of Many Broadleaf Weeds In Non-Crop Areas, Forest Sites, Grass F Rangelands, Aquatic Areas, and in Certain Crops.

Active Ingredient:	
2,4-dichlorophenoxyacetic acid†	85.0
Inert Ingredients	
Total	100.0
Each 1.12 to water soluble packet contains 0.95 to acid equivalent 2,4-dichlorophenoxyac	etic a

Keep Out of Reach of Children

DANGER PELIGRO:

†Isomer Specific by AOAC Method No. 978.05 (15th Ed.)

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle, (not understand the label, find someone to explain it to you in detail.

Refer to inside of label booklet for additional precautionary information including Person Protective Equipment (PPE), and Directions for Use Including Agricultural Use Requirem Storage and Disposal.

Notice: Read the entire label before using. Use only according to label directions. Before buying this product, read "Warranty Discisimer" and "Limitation of Remedies" inside label both in case of emergency endangering life or property involving this product, call collect 517-636-44 Agricultural Chemical: do not ship or store with food, feeds, drugs, or clothing

EPA Reg. No. 62719-218

EPA Est. 464-MI-1

DowElanco · Indianapolis, Indiana 46268, USA

Herbicide

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Precautionary Statements

Hezards to Humans and Domestic Animals Keep Out of Reach of Children

DANGER PELIGRO:

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.

Corrosive - Causes Irreversible Eye Damage - Harmful If Absorbed Through Skin Or Inhaled.

Do not get in eyes, on skin, or on clothing. When mixing, loading or applying this product, or repairing or cleaning equipment used with this product, wear eye protection (face shield or safety glasses), chemical resistant gloves, long-siesved shirt, long pants, socks and shoes. It is recommended that eatery glasses include front, brow and temple protection. For serial applicators in an enclosed cockpit and applicators applying this product from a tractor that has a completely enclosed cab, eye protection is not required. Wash hands, face and arms with soep and water as soon as possible after mixing, loading or applying this product. Wash hands, face arms with soap and water before eating, smoking or drinking. Wash hands and arms before using the toliet.

After work, remove all clothing and shower using soap and water. Do not reuse clothing worm during previous days mixing, loading or application of this product. Clothing must be kept and washed separately from other household laundry. Remove saturated clothing as soon as possible and shower.

(Editor's note: The above personal hygeine statements were incorporated into User Safety Recommendations)

Personal Protective Equipment (PPE)

Applicators and other handlers, including persons repairing or cleaning equipment, must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective evewear such as face shield or safety classes (brow and temple protection recommended). Eye
 protection is not required for ground or serial applicators in completely enclosed cabs or cockolts.

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

Engineering Controls Statements:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protections Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Salety Recommendations

Users should:

- Wash hands, face and arms with soap and water as soon as possible after mixing, loading or applying this product and before eating, smoking or drinking. Wash hands and arms before using the toilet.
- Remove clothing immediately if pesticide cets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing.
 After work, remove all clothing, shower using soap and water and change into clean clothing. Launder clothing worn during mixing, loading, application or cleaning and repairing equipment before reuse.

First Ald:

If in eyes: Hold eye'ds open and flush with a gentle, steady stream of water for 15 minutes. Get medical attention.

If on skin: Wash with plenty of soap and water. Get medical attention if irritation develops.

If swallowed: Drink promptly a large quantity of milk, egg white, gelatin solution, or if these are not available, large quantities of water. Avoid alcohol.

If Inhaled: Remove victim to fresh air. 'i not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention.

Environmental Hazards

Drift or run off may adversely effect non-target plants. Do not apply directly to water except as specified on this label. Do not contaminate water when disposing of equipment wash waters.

Mixing and Loading: Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-dichlorophenoxyacetic acid have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-dichlorophenoxyacetic .cid pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

Directions for Use

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It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read entire label before using. Use only according to use directions.

Handling Precautions for Water Soluble Packets: Do not remove water soluble packet from foil overpack except for immediate use. Do not allow water soluble packet to come into contact with water prior to use. Do not handle water soluble packet with wet hands or wet gloves. Carefully reseal package containing unused water soluble packets and protect package from moisture.

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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Agricultural Use Regultements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exemptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralis
- Watercroof gloves
- Shoes pius socks
- Protective evewear

STORAGE AND DISPOSAL

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

Storage: Store in original container in secured dry storage area. Prevent cross-contamination with other pesticides and fertilizers. Do not store above 122 F for extended periods of time. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated below. Packets may become brittle when stored below 32 F. Handle carefully when frozen to avoid breakage or allow package to warm above 32 F before handling.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate, is a violation of Federal law and may contaminate groundwater. If these wastes cannot be disposed of 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 Disposal: When all packets are used, dispose of empty package in a sanitary landfill or by incineration or, if allowed by State and local authorities, by burning. If burned, stay out of smoke. General: Consult federal, state, or local disposal authorities for approved alternative procedures.

General Information

Statesman herbicide in water soluble packets may be used for selective control of many broadle in non-crop areas, grass pastures, rangeland, aquatic areas, and in certain crops. Apply States Herbicide during warm weather when weeds are young and growing actively. Apply by air or group equipment in sufficient spray volume to obtain adequate coverage, except as otherwise directed label. Use a spray volume of 6 or more gallons per acre for aerial application and 15 or more gallons per acre for ground application. If only bands or rows are treated, leaving middles unsprayed, the discrepance is reduced proportionately. Generally, the lower dosages given will be satisfactory for succulent growth of sensitive weed species. For less sensitive species and under conditions whe control is more difficult, the higher dosages will be needed.

General Use Precautions

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

Avoid Contact With Susceptible Crops And Other Desirable Broadleaf Plants: Do not apply vicinity of cotton, grapes, tobacco, tomatoes, vegetables, flowers, ornamentals or other desirable broadleaf plants. Do not use in or near a greenhouse.

Avoid Spray Drift: Spray only when the wind velocity is below 10 mph. Applications should be only when there is no hazard from spray drift since very small quantities of spray, which may no visible, may severely injure susceptible crops during both growing and dormant periods. Use of sprays to minimize drift. Do not apply with hollow cone-type insecticide or other nozzles that prospray droplets. Drift may be reduced by: (1) applying as near to the target as possible in order to coverage; (2) by increasing the volume of spray mix per acre; (3) by decreasing the pounds of put the nozzle tips; (4) by using nozzles which produce a coarse spray pattern; and (5) by not apply wind is blowing toward susceptible crops or valuable plants.

Do not apply when a temperature inversion exists. Such a condition is characterized by little or movement and an increase in air temperature with an increase in height. Under humid condition or mist may form. An inversion may be detected by producing a smoke column and checking to layering effect. If observed local conditions suggest the existence of an inversion, consult with a weather services before making an application.

Do not apply this product using mist blowers.

Aerial Application: To aid in reducing spray drift, use a spray thickening agent, such as Nalco-control additive, as recommended by the manufacturer or apply through the Microfoil boom, The boom, or equivalent drift control system. Thickened sprays prepared by using high viscosity investments or other drift reducing systems may be utilized if they are made as drift-free as are mix containing Nalco-Trol or applications made with the Microfoil boom or Thru-Valve boom. If a spetitickening agent is used, follow all use recommendations and precautions on the product label, use a thickening agent with the Microfoil boom, Thru-Valve boom, or other systems that cannot accommodate thick sprays.

With aircraft, drift can be lessened by applying a coarse spray; by using a spray boom no longer the rotor length; by spraying only when wind valocity is below 10 mph; or by using approved drift system. Keep operating spray pressures at the lower end of the manufacturer's recommended professories to the specific nozzle type used. Low pressure nozzles are available from spray equipment manufacturers. Select nozzles and pressures which provide adequate plant coverage, but minimum production of fine spray particles. Note: During aerial application, numan flaggers either must vechemical resistant headgear or are prohibited unless in enclosed vehicles.

Ground Equipment: To aid in reducing spray drift Statesman should be used in thickened (high viscosity) spray mixtures such as Nalco-Trol drift control additive, high viscosity invert systems, equivalent as directed by the manufacture. With ground equipment, spray drift can be reduced to the spray boom as low as possible; by applying 20 gallons or more of spray per acre; and by spowners with when wind velocity is below 10 mph. Do not apply with nozzles that produce fine droplet spray, operation spray pressures at the lower end of the manufacturer's recommended pressures for the nozzle type used. Low pressure nozzles are available from spray equipment manufacturers. Se

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nozzies and pressures which provide adequate plant coverage, but minimize the production of fine spray particles.

Soll Movement: Excessive amounts of this herbicide in the soil may temporarily inhibit seed germination or plant growth. Violent wind storms may move soil particles and if they are blown onto the susceptible plants, visible symptoms may appear. The hazard of movement of Statesman on dust is reduced if treated fields are irrigated or if rain occurs shortly after application.

Do not apply on ditches used to transport irrigation water. Do not apply where runoff or irrigation water may flow onto agricultural land as injury to crops may result.

Tank Mixes: Before using any recommended tank mixtures, read the directions and all use precautions on both labels.

Crop Injury: Injury to crops may occur when this herbicide is used as approved elsewhere on this label. If you are not propared to accept some degree of crop Injury, do not use this product. Crop varieties vary in remonse to Statesman and some are easily injured. Apply Statesman only to varieties known to be tolerant to 2,4-dichlorophenoxyacetic acid. If you are uncertain concerning tolerant varieties or local use situations that may affect crop tolerance, consult your seed company, state Agricultural Extension Service or qualified crop consultant for advice.

Statesman Herbicide Weed List

Annual and Biennia

bitter weed lettuce, wild ragweed, giant mallow. VeniceT rape, wild broomwed. burdock marsh elder shepherd's purse sicklepod carpetweed morningglory, annual carrot, wild? morningglory, common smartweed mustards cocklebur sowthistle, annuai nettles† coffeweed spanishneedles croton sunflower parsnip, wild tansymustardT everingprimrose, common pennycress thistle, bullT flboweed pennywort thistle, musk T fleabane, rough **beenegged** galinsoga thistle. Russian **Pigweed aumweed** poorice tumbleweed hemp, wild poppy, prickly velvetleaf iewelweed[†] vetch pusley, Florida †becwnoamii radish, wild witchweed kochia† ragweed, common wormwood lambequarters

Perennial

bindweed, field[†] Jerusalem-artichokeT rocket, yellow bindweed, hedge^T Knapweed, diffuse sneezeweed, bitter toco, bigbend chicory sweetclover dandellon thistle, Canada[†] **tupines** vervains? dock onion, wild dogbaneT riantains waterplantain gartic, wild?

†Even under ideal conditions, these species may be only partially controlled and may require repeated applications and/or use of the higher recommended rate. Cultivation 5 to 7 days after application may improve control of these weed species if tiliage options permit.

Mixing Directions

To calculate the number of packets for your agray mix:

1. Determine the number of acres you wish to spray in the desired application.

2. Divide the number of acres by the Packet Factor that falls within the rate range you have chosen.

3. The result is the number of packets you are required to add to the spray mix.

If the resulting number of packets is not a whole packet:

1. Do not open the water soluble packets.

2. Round up or down to the nearest whole number of packets, insuring that the resulting number of acres/packet falls within the packet range for the desired application.

Sample calculations:

1. Planned application = 17 acres posternergence on wheat at 0.44 lb/acre.

2. 17 acres divided by the Packet Factor of 2.7 = 6.3 packets.

3. Use 6 packets. The resulting rate would equal 17 acres divided by 6 packets or 2.8 acres/packet. 2.8 acres/packet falls within the range of 3 to 1.5 acres/packet.

Spray Preparation:

1. Fill the tank with 1/2 of the total amount of water required for the load. Do not apply with liquid fertilizers.

2. Start agitation system.

3. Add required number of water soluble packets. Open foil overpack and add the soluble packet (product in transparent film) directly into the spray tank while agitating. Handling packets with hands should be minimized. Do not open water soluble packets.

4. Continue agitation and complete fusing the tank while the packets dissolve.

5. Before spraying, make sure packets have completely disintegrated and product is thoroughly mixed with water. Depending on the water temperature and the degree of agitation, the packets and Statesman should be completely dispersed within about 5 minutes from the time they were added to the water.

Note: An emulsifiable oil, wetting agent, or other surfactant may be used to improve weed control effectiveness. However, use of these agents may also reduce selectivity to crops resulting in crop injury.

Approved Uses

Crop Uses and Forest Site Preparation

Agricultural Use Regulrements for Crops

For the following crop uses, follow PPE and Reentry instructions in the "Agricultural Use Regularments" section of this label.

(Application Rates and Timing) See Specific Use Directions Below.

Refer to Conversion Table below to convert recommended rates in pounds to number of water soluble packets.

packers.	Normal application		Higher Application Rates For Special Circumstances 11 (Crop Injury Likely)	
Approved Crope/Uses and Application Timing	Stateeman (pounde/scre)	packet factor (acres/packet)	Statesmen (pounda/acre)	packet factor (acree/packet)
Small grains				
Spring postemergence				1 4. 4
wheat, barley or rye	0.44 to 0.7 0.44 to 0.6	2.7 to 1.5 2.7 to 2	1.1 to 1.7	1 to 0.7
Preharvest (dough stage)	0.44 10 0.0	2.7 10 2	0.8 to 1.1	1.4 to 1
wheat, barley or oats	0.5 to 1.1	2 to 1	1.1 to 1.7	1 to 0.7
Corn	0.0 10 1.1		1.1. 32 1.17	110 0.7
Preplant	0.6 to 1.1	2 to 1	l <u>-</u>	
Preemergence†	0.7 to 1.7	1.5 to 0.7	0.8 to 2.2	1.4 to 0.5
Emergence 1	0.6	2	0.8	1.4
Postemergence				
up to 8 inches	0.44 to 0.6	2.7 to 2	-	
8 inches to tasseling	0.6	2	0.8 to 1.4	1.4 to 0.8
(use only as directed spray)		.	į.	
Preharvest	0.6 to 1.1	2 to 1	-	••
Sorghum (mile) [†]			1	
Postemergence			i	ľ
6 to 8 inches	0.4 to 0.6	3 to 2	-	
8 to 15 inches	0.6	2	0.8 to 1.1	1.4 to 1
Rice				
Late tillering stage	0.6 to 1.4	2 to 0.8	1.1 to 1.7	1 to 0.7
Sugarcane				
Preemergence	1.1 to 2.2	1 to 0.5	-	
Postemergence	0.8 to 1.1	1.4 to 1	'	
Soybeen (Preplent Only)			1	
Not less than 7 days	4.4	l _		
before planting	0.6	2	_	-
Not less than 30 days	1.1	١ ،		
before plenting	1,3	<u> </u>		
and nut orchard floors	1.7	0.7		
Fallow land & crop stubble	1.1 to 3.4	1 to 0.4		
Grass seed crops	1.1 13 3.7	1 10 0.7	 	
Fall postemergence (not in				[
early boot stage)	0.6 to 2.2	2 10 0.5	_	••
Seedling grass	0.4 to 0.6	2.8 to 2	_	
Established grass	up to 2.2	up to 0.5	_	**
Forest site preparation	1.7 to 4.4	0.7 to 0.25		**

[†]Corn and sorghum varieties vary in tolerance to 2,4-dichlorophenoxyacetic acid; some are easily injured. Before spraying, get information on tolerance of specific varieties and treat only those known to be

resistant to 2,4-dichlorophenoxyacetic acid injury. If plants are more than 8 inches tall, use dir spray and keep spray off com and sorghum.

TT These higher rates may be needed to handle difficult weed control situations such as under disconditions in western areas. Do not use higher rates unless possible crop injury is acceptable State Agricultural Experiment Station or Extension Service weed specialists for recommenda suggestions to fit local conditions.

Wheat, Barley, Osts, Rye (Not Underseeded with a Legume) See Application Rate Table For Recommended Use Rates. Apply using ground or serial equipment.

Apply after grain begins tillering and before the boot stage (usually 4 to 8 inches tall) and weeds small. Use 1 to 2 pints of non-ionic surfactant per 100 gallons of spray mix. Do not apply befor stage nor from early boot through the milk stage. To control large weeds that will interfere wharvest or to suppress perennial weeds, a preharvest treatment can be applied when the grain dough stage. Best results are obtained when soil moisture is adequate for plant growth and we actively growing.

In combination with other labeled pesticide use 0.3 to 0.5 pound Statesman/acre.

Precautions:

Do not permit lactating dairy animals or meat animals being finished for slaughter to forage or gitreated grain fields within 2 weeks after treatment.

Do not feed treated straw to livestock or use for bedding.

Field Corn and Sweet Corn

See Application Rate Table For Recommended Use Rates.
Apply using ground or serial equipment.

Preplant: Apply to emerged broadleaf weeds 7 to 14 days prior to planting. Do not use on light, soil.

Preemergence Application

Apply to soil any time after planting but before corn emerges. Do not use on very light, sandy so

Emergence Application

Apply just as corn plants are breaking ground.

Postemergence Application

Apply to emerged corn. When corn is over 8 inches tall use drop nozzles to keep spray off cor and maintain spray a pressure of 40 psi or less. See table below for problem broadleaf weeds recommended application rates. For actively growing annual broadleaf weeds less than 2 inche are not listed below, use an application rate equivalent to packet factor 2.7. For weeds between inches tall, use an application rate equivalent to packet factor of 2.0.

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Application Rates for Posternergence Weed Control in Corn

	Weed Height (Inches)		
Weed Species	2 Inches	2-5 Inches	
-	(Packet factor)	(acres/packet)	
bindweed, field [†]	2	2	
bindweed, hedge [†]	2	2	
cocklebur	2.7	2	
jimsonweed†	2	2	
lambequarters	2.7	2	
morningglory, annual	2.7	2	
morningglory, common	2.7	2	
mustards	2.7	2	
pigweed†	2	2	
ragweed, common	2.7	L	
ragweed, giant	2.7	2	
smartweed	2.7	2	
sunflower, common	2	2	
thistle, bull [†]	2	2	
thistle, musk [†]	2	2	
thistle, Russian†	2	2	
velvetieaf	2.7	2	

†Even under ideal conditions, these species may be only partially controlled and may require repeated applications. Cultivation 5 to 7 days after application may improve control of these weed species if tillage options permit.

Use 0.4 pound/acre of Statesman when tank-mixing with other posternergence herbicides registered for use on corn.

Use of surfactants: Effectiveness of postemergence applications of Statesman may be enhanced by the addition of a non-ionic surfactant at 1.0 pt per 100 gallons of finished spray (0.125% v/v). The use of non-ionic surfactants with Statesman applied to corn will increase the potential for crop injury. Do not use a non-ionic surfactant with Statesman unless some injury to corn is acceptable. Do not use a surfactant on corn greater than 8 inches tall unless drop nozzles are used to minimize exposure of corn leaves to the spray. Users accept all liability for crop injury resulting from the use of a non-ionic surfactant with Statesman herbicide.

Preharvest Application

After the hard dough or denting stage, apply by air or ground equipment to suppress perennial weeds, decrease weed seed production, and suppress tall weeds such as bindweed, cocklebur, jimsonweed, ragweed, sunflower, velvetleaf, and vines that interfere with harvesting.

Precautions:

Do not forage or feed corn fodder for at least 7 days following application.

Do not apply from tasseling to dough stage. Injury to corn is most likely to occur if Statesman is applied when corn is growing rapidly under high temperature and high soil moisture conditions. In such situations, use the low rate of 0.44 lb. per acre. After application, delay cultivation for 8 to 10 days to allow the corn to overcome any temporary brittleness.

Do not use in combination with crop oil concentrate.

Note: Hybrids vary in tolerance to 2,4-dichlorophenoxyacetic acid. Some are easily injured. Spray only varieties known to be tolerant. Consult the seed company or your Agricultural Experiment Station or Extension Service Weed Specialist for the information.

Tank Mixes of Statesman plus Liquid Atrazine Formulations

Statesman may be applied in tank mix combination with 1 to 1.5 pounds al/acre of liquid strazine. Do not apply Statesman in combination with DF, granular, powder or other dry formulations of atrazine.

Mixing: Add the recommended amount of Statesman to 1/2 of the final spray volume and mix until completely dispersed. Fill the spray tank to 3/4 of the final spray volume and add the strazine. Always use a compatibility agent when tank mixing Statesman and atrazine. Compatibility agents such as Kem-Link, Unite or Compex are recommended. The compatibility agent should be added to the spray mixture before adding atrazine. Vigorous continuous agitation during mixing and throughout application is required.

Spray as soon as possible after mixing. Do not allow mixtures of Statesman and atrazine to remain in the spray tank for more than 3 hours, even with agitation and compatibility agents. Do not allow spray mixtures of Statesman and atrazine to remain in the spray tank overnight. Allowing the tank mixture to remain in the spray tank for an extended period of time will allow the mixture to flocculate and form particles that may plug spray equipment.

Read and follow all directions and precautions on this label and on the label of the atrazine product used.

Rice

See Application Rate Table For Recommended Use Rates. Apply using ground or serial equipment.

Apply in the late tillering stage of rice development, at the time of first joint development (first to second green ring), usually 6 to 9 weeks after emergence. Do not apply after particle initiation, after rice internodes exceed 1/2 inch, at early seedling, early panicle, boot, flowering or early heading growth stages. Do not use in rice paddies where shellfish are of economic importance or where flood water is used for irrigation of other crops. Note: Under certain conditions some rice varieties may be injured by 2,4-dichlorophenoxyacetic acid. Therefore, before spraying consult local extension Service or University specialists for appropriate rates and timing.

Sorghum (Milo)

See Application Rate Table For Recommended Use Rates.
Apply using ground or serial equipment.

Treat only after the sorghum is 6 inches tall and preferably before it is 15 inches tall. Do not treat during boot, tasseling, or early dough stages. If crop is taller than 8 inches, use drop nozzles to keep the spray off crop foliage. Temporary crop injury can be expected under conditions of high soil moisture and high air temperatures. If it is necessary to apply Statesman under these conditions, use no more than 0.4 to per acre.

Note: Hybrids vary in tolerance to 2,4-dichlorephenoxyacetic acid. Some are easily injured. Spray only varieties known to be tolerant. Consult the seed company or your Agricultural Experiment Station or Extension Service Weed Specialist for the information.

Sugarcane

See Application Rate Table For Recommended Use Rates. Apply using ground or serial equipment.

Apply Statesman as a preemergence treatment to control emerged broadleaf weeds or as a posternergence treatment up to layby in accordance with State regulations.

Soybeens

Crop Residue Management Systems (Preplant Application Only)

Authorization under FIFRA Section 3 (c)(7)(B) to use Statesman herbicide for crop residue management prior to pianting soybeans expires on December 31, 1995. Use of this product according to the directions for use in this section of the Statesman label after December 31, 1995 will be illegal and sale of soybeans containing any residues of Statesman will constitute a violation of the Federal Food, Drug and Coemetic Act.

Statesman herbicide may be used at rates of 0.6 or 1.1 pounds/acre for posternergence control of many susceptible annual and perennial broadleaf weeds. This product may be applied prior to planting soybeans to provide foliar burn-down control of susceptible annual and perennial broadleaf weeds and certain broadleaf cover crops such as those listed on this label. Make only preplant applications to emerged weeds prior to planting soybeans grown in reduced tillage production systems. Use 0.6 pound/acre 7 to 30 days prior to planting or 1.1 pounds/acre at 30 days or more before planting.

For best weed control results, any tillage should be delayed for 5 to 7 days after application.

Mixing instructions

Compatible crop oil concentrates, and agricultural surfactants approved for use on growing crops may be added to spray mixtures to increase the herbicidal effectiveness of Statesman on certain weeds when applied preplant to soybeans. Read and follow all directions and precautions on this label and on the label of each product added to the spray mixture.

Application Procedures

Apply using ground equipment in a spray volume sufficient to provide uniform coverage of weeds. Use 10 or more gallons per acre for ground equipment.

For best weed control results, application should be made when weeds are small, actively growing and free of stress caused by temperature extremes, moisture stress, diseases, or insect damage. The control of individual weed species may be variable. Consult your local county agent or state agricultural extension specialist or crop consultant for advice.

Use Precautions and Restrictions

Important Notice: Unacceptable injury to soybeans planted in treated fields may occur. Whether or not soybean injury occurs and the extent of such injury will depend on weather (temperature and rainfall) from herbicide application until soybean emergence and agronomic factors such as the amount of weed vegetation and previous crop residue present at the time of application. Injury is more likely under cool rainy conditions and where there is less weed vegetation and crop residue present.

Do not use on sandy soils with less than 1.0% organic matter.

Do not make more than one application per season regardless of the application rate used.

Do not apply when weather conditions such as atmospheric temperature inversion exist or when wind direction favors drift from the treated area to susceptible plants.

Do not allow livestock grazing or harvest hay, forage or fodder from treated fields. Livestock should be restricted from feeding/grazing treated cover crops.

In treated fields, plant soybean seed as deep as practical, but not less than 1.0 inch deep. Adjust the planter, if necessary, to ensure that planted seed is adequately covered.

Do not apply Statesman herbicide as described in this section of the Statesman label unless you are prepared to accept the results of soybean injury, including possible stand loss and/or yield reduction.

During the growing season following application, do not replant treated fields with crops other that labeled for use with Statesman herbicide.

Apple, Peer, Stone Fruit and Nut Orchards Apply using ground equipment only.

Apply Statesman at a rate of 1.7 ib per acre for control of annual broadleaf weeds in the orchard. Use coarse sprays and low pressure in sufficient volume of water to obtain thorough wetting of who not use in light sandy soil. Apply when weeds are actively growing. Applications made under advictions or to large weeds may require repeat applications, not to exceed 1.7 lb/acre per growing season.

Precautions:

Not registered for use in California.

Do not apply to bare ground as injury may result.

Do not apply immediately before irrigation or for 3 days after treatment. Irrigation 24 hours prior to treatment may enhance control.

Do not allow spray to drift or contact foliage, fruit, stems, trunks of trees, or exposed roots as injuresuit.

Do not apply to newly established of young orchards. Trees must be at least 1 year old and in vig condition.

Do not apply during bloom.

Do not graze or feed cover crops from treated orchards.

Do not make more that two applications per year.

Preharvest Interval: Do not harvest stone fruit within 40 days of application or harvest nuts within of application.

Fallow Land and Crop Stubble Apply using ground or serial equipment.

Apply Statesman at a rate of 1.1 to 2.2 lb per acre for control of annual broadleaf weeds and up to per acre for suppression of established perennial species, such as Canada thistie and field bindwitteating mature or drought-stressed weeds. Apply to new regrowth of wild garlic or wild onion who occurs in the fall following harvest of small grains, corn or grain sorghum. For best results, apply weeds are actively growing. Do not plant any crop, unless registered for use with 2,4-dichlorophenoxyacetic acid, for 3 months after application or until the chemical has disappeared it soil.

Forest Site Preparation
Apply using ground or serial equipment

For control of susceptible broadlest weeds and brush on forest sites prior to replanting, use 1.7 to pounds of Statesman Herbicide per acre in sufficient spray volume for good plant coverage, usus 25 gallons. Applications can be made by air or ground (hand gun, boom or powered knapsack spadd a suitable surfactant or penetrant to improve control of woody plants.

BEST AVAILABLE

Rangeland, Pasture, Non-crop and Aquatic Uses

Use Requirements for Rangeland, Pasture, Non-cropland and Aquatic Areas: No Worker Protection Standard worker entry restrictions or worker notification requirements apply when this product is applied to rangeland, pasture, non-cropland or aquatic areas.

(Application Rates)
See Specific Use Directions Below.

Refer to Conversion Table below to convert recommended rates in pounds to number of water soluble packets.

Approved (lees	Statesman (pounds/scre)	packet factor (acres/packet)
Established grass pastures, rangeland, and Conservation Reserve Program (CRP) General application	1.1 to 2.2 (See label section)	1 to 0.5 (See label section)
Southern wild rose	4.4	0.25
Rights-of-way	up to 4.4	up to 0.25
Aquatic use	1.4 to 2.5	0.8 to 0.6

Established Grass Pastures and Rangelands and Conservation Reserve Program (CRP) Apply using ground or serial equipment.

Apply Statesman at a rate of 1.1 to 2.2 ib per acre. Apply preferably when weeds are small and growing actively before the buct stage. Use higher rates when weeds are in advanced stages of growth. Treat when biennial weeds are in the seedling to rosette stage and before flower stalks become apparent. Treat perennial weeds in the bud to bloom stage of growth.

Conservation Reserve: When applying on CRP lands, follow all applicable state and Federal regulations. Follow the most severe grazing restrictions imposed by the pesticide label or by the USDA Acreage Conservation Reserve Program.

Southern Wild Rose Control: On rangeland and pasture, apply a maximum of 2.2 to Statesman per acre per application. On roadsides, and fencerows, apply 4.4 to of Statesman plus 4 to 8 fluid ounces of an agricultural surfactant per 100 gallons of water and spray thoroughly as soon as foliage is well developed. Two or more treatments may be required.

Precautions:

Do not use on bentgrass, alfalfa and clover or other legumes.

Do not apply to newly seeded areas until grass is well established.

Do not use from early boot to milk stage where grass seed production is desired.

Grazing Restriction:

Do not graze lactating dairy animals on treated areas within 7 days after application.

Do not harvest grass cut for hay from treated areas for 30 days.

Withdraw meat animals from treated forage at least 3 days before slaughter.

Rights-of-Way Apply using ground or serial equipment.

For control of perennial broadleaf weeds and susceptible woody species, apply Statesman at up to per acre. For difficult to control perennial broadleaf weeds and woody species, use up to 4.4 lb State and 1 to 4 gts. Garlon* 3A herbicide per acre.

For ground application: (High volume) apply a total of 100 to 400 gal per acre; (low volume) apply total of 20 to 100 gal per acre.

For helicopter: Apply a total spray volume of 10 to 30 gal per acre.

Aquatic Areas
For emergent and floating aquatic weeds

Apply 1.4 to 2.5 pounds of Statesman per acre in 20 to 100 gallons of water to control emergent were Spray to wet foliage thoroughly when leaves are fully developed, actively growing, and above water Your state Conservation Department or Game and Fish Commission will assist you in determining to best time and rate for application under local conditions. Perennial and other hard to control weeds require repeat application to give adequate control.

No more than 1/3 to 1/2 of a lake's area should be treated monthly. The oxygen content of the water be drastically deplete due to decaying vegetation resulting in fish kills if larger areas are treated. On apply to areas that contain weeds.

Turf Uses

Use Requirements for Turf Including Sod Farms and Grass Seed Crops

Restricted Entry Interval: When used on sod farms or grass seed crops, follow PPE and reentry instructions in the "Agricultural Use Requirements" section of this label. For use on other turf areas, not allow people (other than applicator) or pets on treatment area during application. Do not enter it treated areas until sprays have dried.

Restrictions on Retreatment: Do not apply more than 2 broadcast applications per year per treats site.

Sod Farms
Apply using ground equipment only.

Apply Statesman at a rate of 1.1 to 3.4 lb per acre. Apply when weeds are young and actively growing rate of 2.2 lb per acre will usually provide adequate weed control. Do not use on dichondra or other herbaceous ground covers. Do not use on creeping grasses such as bentgrass except on freshly seturifuntil grass is well established. Reseeding of lawns should be delayed following treatment. With application, reseed in the fall; with fall application, reseed in the spring. Legumes are usually damagically delayed and canada thistie may require repeated applications.

Grace Seed Crops
Apply using ground or serial equipment.

Apply 0.6 to 2.2 lb per acre in spring or fall to control broadleaf weeds in grass being grown for seek not apply from early boot to the milk stage. Spray seedling grass only after the five-leaf stage, us to 0.6 lb per acre to control small seedling weeds. After the grass is well established, higher rates of 2.2 lb can be used to control hard-to-kill annual or perennial weeds. For best results, apply when so moisture is adequate for good growth.

Precaution: Do not use on bentgrass unless spray injury can be tolerated.

BEST AVAILABLE

Grazing Restriction:

Do not graze factating dairy animals on treated areas within 7 days after application.

Do not harvest grass cut for hay from treated areas for 30 days.

Withdraw meat animals from treated forage at least 3 days before slaughter.

Non-Cropland Grass Areas Such as Lawns, Golf Courses, Cemeteries, Parks, Airfields, Roadeldes, Vacant Lots and Drainage Ditchbanks (Excluding Sod Farms) Apply using ground equipment only.

Apply Statesman at a rate of 1.1 to 2.2 lb per acre. Apply when weeds are young and actively growing. A rate of 2.2 lb per acre will usually provide adequate weed control. Do not use on dichondra or other herbaceous ground covers. Do not use on creeping grasses such as bentgrass except on freshly seeded turf until grass is well established. Reseeding of lawns should be delayed following treatment. With spring application, reseed in the fall; with fall application, reseed in the spring. Legumes are usually damaged or killed. Control of deep-rooted perennial weeds such as bindweed and Canada thistle may require repeated applications.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants that this product conforms to the chemical description on the label; that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and that the directions, warnings and other statements on this label are based upon responsible expert's evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTIES EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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Revisions:

- 1) Added requirements of the Worker Protection Standard
- 2) Added requirements to comply with the 2,4-D Exposure Reduction Program.
- 3) Label formatted to be compatible with requirements of the 2,4-D Exposure Reduction Program and Worker Protection Standard.