



19713-649

07/18/2013

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 <p>U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Chemical Safety and Pollution Prevention Office of Pesticide Programs Registration Division (7504P) 1200 Pennsylvania Ave., N.W. Washington, DC 20460</p> <p>NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration (under FIFRA, as amended)</p>	<p>EPA Reg. Number: 19713-649</p>	<p>Date of Issuance: JUL 18 2013</p>
	<p>Term of Issuance: Unconditional</p>	
	<p>Name of Pesticide Product: Drexel Plucker Plus</p>	
<p>Name and Address of Registrant (include ZIP Code): Drexel Chemical Company PO Box 13327 Memphis, TN 38113-0327</p>		
<p>Mailed to: Luz Chan Registration Specialist</p>		
<p>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.</p>		
<p>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.</p> <p>This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:</p> <ol style="list-style-type: none"> 1. Submit and/or cite all data required for registration of your product under FIFRA sec 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4. 		
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<p>Signature of Approving Official:</p>  <p>Tony Kish, Product Manager (22) Fungicide Branch/Registration Division/OPP/OCSP (7504P)</p>	<p>Date: JUL 18 2013</p>	

Notice of Pesticide Registration
Drexel Plucker Plus
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2. Make the following change to the label:
 - a. Change the product registration number to "EPA Reg. No. 19713-649"
3. You must submit the following conditional data before the due date of 9/1/2014:
 - a. Storage Stability (830.6317) and Corrosion Characteristics (830.6320) studies.
4. Submit one copy of the final printed label for the record before the product is released for shipment.

Your release for shipment of the product constitutes acceptance of these conditions.

A copy of the label stamped "Accepted" is enclosed for your records.

Enclosure:
Label stamped "Accepted"

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ACCEPTED
JUL 18 2013
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 19713-649



Plucker Plus

Plant Growth Regulator for Controlling Suckers in Tobacco

ACTIVE INGREDIENTS:

Fatty Alcohols.....	65.0%
Octanol (C ₈) - 27.8%	
Decanol (C ₁₀) - 37.0%	
Related Compounds (Dodecanol - C ₁₂) - 0.2%	
Flumetralin.....	3.2%

OTHER INGREDIENTS: 31.8%

TOTAL: 100.0%

This product contains 4.8 pounds of fatty alcohols and 0.24 pound of flumetralin per gallon.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See **FIRST AID** Below

EPA Reg. No. 19713-AUO
EPA Est. No. 19713-XX-XXX

Net Content: _____

FIRST AID
IF ON SKIN OR CLOTHING: <ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED: <ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything to an unconscious or convulsing person.
IF IN EYES: <ul style="list-style-type: none"> • 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.
IF INHALED: <ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378 Monday through Friday, 7:30 a.m. to 3:30 p.m. PST.
Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

649SP-0713*P(07/19/13)

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if absorbed through skin. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category G on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear: Long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves, such as barrier laminate or viton, chemical-resistant headgear for overhead exposure and chemical-resistant apron, when cleaning equipment, mixing or loading.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

USER SAFETY RECOMMENDATIONS

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

USE INFORMATION

PLUCKER PLUS is a plant growth regulator with a carefully balanced combination of active ingredients and wetting agents (surfactants) to be used for the control of sucker growth on Burley, Flue-cured and Dark tobacco. The concentrated product is diluted with water to form a creamy emulsion which is applied as a coarse spray. The emulsion is effective only when it comes in direct contact with the suckers; therefore, the material should be applied so that maximum contact is made with the suckers. This product can be used alone or with maleic hydrazide (MH) such as Sucker-Stuff® and Sucker-Stuff® 80EG in a dual treatment program.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product through any type of irrigation system. 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 REQUIREMENTS

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

Do not enter or allow worker entry into treated areas during the REI of 24 hours.

PPE required for early entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil or water is: Coveralls over short-sleeved shirt and short pants, protective eyewear (goggles or face shield), chemical-resistant gloves made of any waterproof material (such as butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride, or viton), socks, chemical-resistant footwear, and chemical-resistant headgear for overhead exposure.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR SUCKER CONTROL AND/OR CROP INJURY.

SPRAY DRIFT MANAGEMENT

Non-target terrestrial plants can be adversely affected when exposed to this product. Avoid spray drift to non-target terrestrial plants during application.

Do not apply this product if the wind direction does not favor on-target deposition.

Must not be applied greater than 4 feet above crop or crop canopy.

PLANTBACK INTERVAL

DO NOT replant treated areas to any crop other than Tobacco within 10 months after last application of this product.

MIXING INSTRUCTIONS

Mix 1.25 to 2.5 gallons of this product in sufficient water to total at least 50 gallons minimum spray solution per acre or 3.75 to 6.5 fluid ounces of this product per gallon of water. Provide sufficient agitation during mixing and application to maintain a uniform mixture.

Important: Do not mix this product with insecticides or fungicides.

APPLICATION INSTRUCTIONS

TIME OF APPLICATION

Apply this product when most Tobacco plants are in the elongated button to early flower stage, either before or after topping. If this product is applied after topping, apply within 24 hours of topping. During topping, remove all suckers one inch or longer from all plants. (See **NOTES** listed below.) This product is usually more effective if applied when humidity is low and leaf axils are fully exposed — that is, generally between 10:00 A.M. and 6:00 P.M. on sunny days, except when the plants are wilted and temperatures exceed 90°F. Some injury to the tender leaves at the top of the plant may result from the application of this product under bright sunlight at temperatures above 90°F. Injury may also result if this product is applied to the underside of the Tobacco leaf, thus, it is preferred not to apply this product when wind is high enough to turn over the top leaves. In case of irregular plant growth, multiple applications will be required to achieve season long control. Do not apply during rain or to wet plants. However, if the material has been on the plants over an hour before a rain or irrigation, reapplication may not be necessary.

DO NOT apply this product more than 7 times per crop.

METHODS OF APPLICATION

Apply as a coarse spray directed downward at the top of the stalk from 6 to 16 inches above the top leaves. Use 20 to 30 pounds per square inch (psi) nozzle pressure. If allowed to stand for extended periods of time, the diluted emulsion may separate. Always remember to mix well immediately before using. In order to minimize the possibility of injury to the Tobacco plants, do not mix this product with other chemicals such as insecticides or herbicides, or apply this product to plants which have recently been treated with such chemicals. Be sure that all spray equipment has been carefully rinsed out prior to using. In Burley tobacco, during prolonged periods of high heat and humidity or under other conditions which might favor the spread of Hollow stalk or Stem rot diseases, delay application of this product until these conditions pass.

Precision Hand Application

Mix 1.25 to 2.5 gallons of this product in sufficient water to total at least 50 gallons minimum spray solution per acre and apply as a coarse spray or drench to the top of the Tobacco stalk, using a hand-held drop line, or mix 3.75 to 6.5 fluid ounces of this product per gallon of water when using the jug

method or backpack sprayer. Apply the spray mixture at a rate sufficient to run down the stalk, contacting each leaf axil and just reach the ground line. Excessive spray volume may result in carryover injury to rotational crops. Spray volume per plant will generally be 0.3 to 1 fluid ounce depending on plant height (or enough to ensure run down to the bottom of the plant). Do not exceed 30 gallons of spray volume per acre when using hand application methods. (See **NOTES** listed below.)

Application with Powered Spray Equipment (3 nozzles per row)

Mix 1.25 to 2.5 gallons of this product in sufficient water to total at least 50 gallons minimum spray solution per acre. Spray volume should be sufficient to run down the stalk contacting each leaf axil and just reach the ground line. Excessive spray volume beyond the point of runoff to the soil may result in carryover injury to rotational crops. (See **NOTES** listed below.)

Split Application: Mix 2.5 gallons of this product in sufficient water to total at least 50 gallons minimum spray solution per acre. Follow with a second application 5 to 7 days later at the rate of 1.25 to 2.5 gallons of this product in sufficient water to total at least 50 gallons minimum spray solution per acre. The second application may be tank mixed with maleic hydrazide (MH) based products such as Sucker-Stuff and Sucker-Stuff 80EG.

Apply this product as a coarse spray directed downward to the top of the Tobacco stalk. This is best accomplished with 3 full cone nozzles per row; one nozzle directed downward over the center of the row and one 7 to 9 inches to each side of the center, directed at the top of the stalk. Maintain nozzles at a height of 6 to 16 inches above the top of the stalk during application. Maintain a low boom pressure not exceeding 20 psi.

SEQUENTIAL APPLICATION WITH MALEIC HYDRAZIDE (MH) (Such as Sucker-Stuff and Sucker-Stuff 80EG)

Prior to Use of Maleic Hydrazide: Mix 1.25 to 2.5 gallons of this product in sufficient water to total at least 50 gallons minimum spray solution per acre and apply either by *precision hand application* or *application with powered spray equipment* as described in the above sections of this label. Time the application of this product during the elongated button to early flower stage of Tobacco. Approximately one week after the application of this product, apply maleic hydrazide, according to directions, precautions and restrictions on that label.

After Use of Maleic Hydrazide: For extended control of Tobacco suckers, particularly during late Tobacco harvest in FL, GA, NC, SC and VA - First, apply the regular schedule of contacts. Follow with the labeled rate of maleic hydrazide in accordance with its label. Follow with 1.25 to 2.5 gallons of this product in sufficient water to total at least 50 gallons minimum spray solution to treat 1 acre 3 to 4 weeks after applying maleic hydrazide, depending on the development of suckers. Apply this product as a coarse spray, using powered spray equipment (3 nozzles per row) at least 7 days before the next leaf harvest. The spray volume needs to be sufficient to run down the stalk, contacting each leaf axil where suckers are present. Refer to the "Application with Powered Spray Equipment" section for specific instructions.

Important:

1. This product will not control large suckers. All suckers one inch or longer on all Tobacco plants must be removed before application of this product.
2. Follow all precautions, notes and other instructions on this label.

Tank Mix with Maleic Hydrazide (MH) (such as Sucker-Stuff and Sucker-Stuff 80EG): Mix 1.25 to 2.5 gallons of this product with one-half to full rate of maleic hydrazide in sufficient water to total at least 50 gallons minimum spray solution and apply at the specified time for application of maleic hydrazide. Apply

the mixture as a coarse spray at a volume of 50 gallons per acre with a boom pressure maintained at 20 psi by powered spray equipment as described in the above section of this label. For best results, follow precautions and restrictions on this product label and maleic hydrazide labels. Application sequence: 1) Apply contact material according to its label. 2) Apply the tank mixture of this product and maleic hydrazide at or near the label specified time for application of maleic hydrazide. Observe the most restrictive of the labeling limitations and precautions of all products used in mixtures.

NOTES

1. Timing is important. Apply at the timing described above so that number and size of suckers will be small. Applications made before the elongated button stage of growth may result in chemical topping or distortion of leaves that were too immature at time of application. Spraying too late may result in poor sucker control.
2. This product will not control large suckers. All suckers one inch or longer must be removed before application of this product. Remove by hand any suckers that escaped treatment about 10 to 14 days after application.
3. Where a contact (fatty alcohol) is commonly used to control early suckers and provide a more uniform crop, the normal sequence would be: a) Apply contact material according to its labels, and b) about 5 days after application of contact material, apply this product. Time the application of this product during the elongated button to early flower stage.
4. Where a contact (fatty alcohol) is not used and a wide range of flowering exists, top and remove by hand suckers of early flowering plants. Then, when most plants are in the elongated button to early flower stage, remove all suckers one inch or longer and apply this product. If this product is applied using precision hand application, early flowering plants can be topped and treated selectively; later flowering plants can be topped and treated as they reach the proper treatment stage; and a contact may not be needed.
5. For proper sucker control, this product must contact the small suckers on the axil where the leaf and stalk connect. This product will not control suckers on plants that are leaning at time of application. Do not apply this product with powered spray equipment during windy periods. High wind will disrupt the spray pattern of nozzles on boom sprayers and turn leaves causing improper contact and flow of the spray solution, resulting in poor sucker control. Application to wet plants or drought-stressed plants may result in poor sucker control.
6. In order to minimize the possibility of injury to the Tobacco plants, do not mix this product with other chemicals such as insecticides or herbicides, or apply this product to plants which have been recently treated with such chemicals.
7. Carefully follow the specified use rates and spray volume. Spray field uniformly. Sufficient volume is needed to run down the stalk, contact each leaf axil and just reach the ground line.
8. Rain occurring within 2 hours after spraying may reduce effectiveness.

USE PRECAUTIONS

1. To avoid illegal residues and possible injury to crops planted in the Fall or following Spring, do not apply excessive spray volume to the point of runoff onto the soil. Residues of this product in the soil may interact with dinitroaniline herbicides such as Balan®, Prowl® or Treflan®, to increase early season crop stunting. Thorough disk and deep till the soil in the Fall where excessive amounts of this product may have reached the soil.
2. When Tobacco is in a state of very rapid, succulent growth due to high nitrogen and rainfall, this product may cause injury. Under these conditions, use only the precision hand application method and avoid contacting leaves with the spray solution.

STORAGE AND DISPOSAL

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

STORAGE: Storage should be under lock and key in a ventilated room and secure from access by unauthorized persons and children. Storage should be in a cool, dry area away from any heat or ignition source. Do not stack containers over 2 pallets high. Move containers by handles or cases. Do not move containers from one area to another unless they are securely sealed. Keep containers tightly sealed when not in use. Keep away from any puncture source. Avoid storage near water supplies, food, feed and fertilizer to avoid contamination. Avoid contamination with oxidizing materials. Store in original containers only. If the contents are leaking or material is spilled, follow these steps:

1. Contain spill. Absorb with a material such as sawdust, clay granules or dirt.
2. Collect and place in suitable containers for disposal.
3. Wash area with soap and water to remove remaining pesticide.
4. Follow washing with clean water rinse.
5. Place a leaking container in plastic tub and transfer contents, as soon as possible, to an empty, original container.
6. Do not allow runoff to enter sewer or contaminate water supplies.
7. Dispose of waste as indicated below:

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

CONTAINER HANDLING:

Nonrefillable Container (rigid material; less than 5 gallons): Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container one-fourth full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available, or dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable Container (rigid material; 5 gallons up to < 250 gallons): Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling, if available, or dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Refillable Container (≥ 250 gallons or Bulk): Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

WARRANTY—CONDITIONS OF SALE

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

Manufactured By:



Drexel Chemical Company

P.O. BOX 13327, MEMPHIS, TN 38113-0327

SINCE 1972

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