

62719-479

08/05/2004

1/24



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

AUG 5 2004

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Ms. Barbara J. Kaminski
Dow AgroSciences, LLC
9330 Zionsville Road
Indianapolis, IN 46428

Dear Ms. Kaminski:

Subject: Keystone LA (Update as Per Atrazine MOA)
EPA Registration No. 62719-479
Application Dated June 23, 2004

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable, provided you make the following changes before you release the product for shipment.

1. Under Storage and Disposal, revise "Storage" to read "**Pesticide Storage**".
2. On page 12, under Maximum Application Rates, the second bullet, revise "if" to read "**as**".
3. On page 12, under General Use Precautions, the sixth bullet, replace "Surpass 75" with "**Keystone LA**".
4. On page 13, number 1, revise the sentence "Do not a make a second application of Surpass 75." to read "Do not make a second application of **Keystone LA**."

Submit two (2) copies of your final printed labeling incorporating the above changes before you release the product for shipment. Amended labeling will supercede all previously accepted ones. A stamped copy of labeling is enclosed for your records.

Sincerely,

Verkie Hamilton
James A Tompkins
Product Manager 25
Herbicide Branch
Registration Division (7505C)

8/24

(Base Label)

RESTRICTED USE PESTICIDE
Due to Ground and Surface Water Concerns and Oncogenicity

For retail sale to and use only by Certified Applicators, or persons under their direct supervision, and only for those uses covered by the Certified Applicator's certification.

This product is a restricted use herbicide due to ground and surface water concerns and oncogenicity concerns. Users must read and follow all precautionary statements and instructions for use in order to minimize potential for atrazine to reach ground and surface water.

(logo) Dow AgroSciences

Keystone[®] LA

A preemergence herbicide for control of annual grass and broadleaf weeds in field corn, production seed corn, silage corn, and popcorn

Active Ingredients:

acetochlor: 2-chloro-2'-methyl-6'-ethyl-N-ethoxymethylacetanilide	43.4%
atrazine: [2-chloro-4-(ethylamino)-6-(isopropylamino)-s-triazine] and related triazines	16.3%
Inert Ingredients:	<u>40.3%</u>
Total	100.0%

Contains 4 pounds acetochlor and 1.50 pounds atrazine active ingredient per gallon.

Keep Out of Reach of Children

CAUTION PRECAUTION

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.)

Precautionary Statements

Hazards to Humans and Domestic Animals

Causes Moderate Eye Irritation • Harmful If Swallowed

Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Personal Protective Equipment (PPE)

Some materials that are chemical resistant to this product are polyethylene and polyvinylchloride. If you want more options, follow instructions for category A on an EPA chemical-resistance selection chart.

Mixers, loaders, applicators and other handlers must wear:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves
- Chemical-resistant footwear plus socks
- Chemical-resistant headgear (If overhead exposure)

**ACCEPTED
with COMMENTS
In EPA Letter Dated**

AUG - 5 2004

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
62719-479

- A chemical-resistant apron when mixing/loading, cleaning up spills, or cleaning equipment, or otherwise exposed to the concentrate

See Engineering Controls for additional requirements.

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: When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(5)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.
- 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. As soon as possible, wash thoroughly and change into clean clothing.

First Aid

If swallowed: 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 by mouth to an unconscious person.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

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

Environmental Hazards

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

["Note to Label Editor: In case of overflow text that will not fit on base label, the referral statement "See Environmental Hazards section of label booklet for Ground Water Advisory Statements." may be substituted for the following Ground Water Advisory statements on the base label.]

Atrazine can travel (seep or leach) through soil and can enter ground water which may be used as drinking water. Atrazine has been found in ground water. Users are advised not to apply atrazine to sand and loamy sand soils where the water table (ground water) is close to the surface and where these soils are very permeable, i.e., well drained. Your local agricultural agencies can provide further information on the type of soil in your area and the location of ground water.

Acetochlor has properties that may result in surface water contamination via dissolved runoff and runoff erosion. Practices should be followed to minimize the potential for dissolved runoff and/or runoff erosion.

Physical and Chemical Hazards

Do not use or store near heat or open flame.

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Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to the label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Refer to label booklet for Directions for Use.

Notice: Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer Inherent Risks of Use and Limitation of Remedies at end of label booklet. If terms are not acceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994. If you wish to obtain additional product information, visit our web site at www.dowagro.com.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-479

EPA Est. _____

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Made in U.S.A.

Dow AgroSciences LLC • Indianapolis, IN 46268 U.S.A.

Herbicide

Net Contents ____

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(Label Booklet)

RESTRICTED USE PESTICIDE
Due to Ground and Surface Water Concerns and Oncogenicity

For retail sale to and use only by Certified Applicators, or persons under their direct supervision, and only for those uses covered by the Certified Applicator's certification.

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(logo) Dow AgroSciences

Keystone[®] LA

A preemergence herbicide for control of annual grass and broadleaf weeds in field corn, production seed corn, silage corn, and popcorn

Active Ingredients:

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Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to the label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Refer to inside of label booklet for Precautionary Statements and for Directions for Use.

Notice: Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer Inherent Risks of Use and Limitation of Remedies at end of label booklet. If terms are not acceptable, return at once unopened.**

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Herbicide

Net Contents ____

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Precautionary Statements

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CAUTION

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Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Personal Protective Equipment (PPE)

Some materials that are chemical resistant to this product are polyethylene and polyvinylchloride. If you want more options, follow instructions for category A on an EPA chemical-resistance selection chart.

Mixers, loaders, applicators and other handlers must wear:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves
- Chemical-resistant footwear plus socks
- Chemical-resistant headgear (if overhead exposure)
- A chemical-resistant apron when mixing/loading, cleaning up spills, or cleaning equipment, or otherwise exposed to the concentrate

See Engineering Controls for additional requirements.

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: When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(5)], the handler PPE requirements may be reduced or modified as specified in the WPS.

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

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Environmental Hazards

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Acetochlor has properties that may result in surface water contamination via dissolved runoff and runoff erosion. Practices should be followed to minimize the potential for dissolved runoff and/or runoff erosion.

Physical and Chemical Hazards

Do not use or store near heat or open flame.

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

ANY USE OF THIS PRODUCT IN AN AREA WHERE USE IS PROHIBITED IS A VIOLATION OF FEDERAL LAW. Before using this product, you must consult the Atrazine Watershed Information Center (AWIC) to determine whether the use of this product is prohibited in your watershed. AWIC can be assessed through www.atrazine-watershed.info or 1-866-365-3014. If use of this product is prohibited in your watershed, you may return unopened product to your point of purchase or contact Dow AgroSciences for a refund.

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, 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 exceptions 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 12 hours. **Exception:** If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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:

- Coveralls
- Chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride
- Chemical-resistant footwear plus socks
- Protective eyewear

Storage and Disposal

Prohibitions: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

Storage: Keep container tightly closed when not in use. Do not store near seeds, fertilizers, or foodstuffs. Can be stored at temperatures as low as minus 30°F.

Pesticide Disposal: Rinse spray equipment. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use 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: Triple rinse (or equivalent); then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Container Disposal (Bulk and Mini-bulk Containers):

Instruction for Users: When the container is empty, replace the cap and seal all openings that have been opened during use, and return the container to the point of purchase, or to an alternate location designated by the registrant at the time of purchase of this product. If not returned to the point of purchase or a designated location, triple rinse or pressure rinse the empty container and offer for recycling if available.

Instruction for Users and Refillers: This container must only be refilled with this pesticide product. **Do Not Reuse the Container for Any Other Purpose.** Do not transport if this container is damaged or leaking. If the container is damaged, leaking, or obsolete, or to obtain information about recycling refillable containers, contact Dow AgroSciences at [insert phone number]. Cleaning is not necessary prior to refilling with the same product. Cleaning of this container before final disposal of this container must be in compliance with state and local agencies.

Instruction for Refillers: Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn-out threads and closure devices. Check for leaks after refilling and before transporting. If the container cannot be refilled, triple rinse or pressure rinse the empty container and offer for recycling if available.

General Information

For use only on field corn, production seed corn, silage corn, popcorn. Corn in this label refers to all four types: field corn, production seed corn, silage corn, and popcorn.

Keystone[®] LA herbicide is a unique combination of the herbicides acetochlor and atrazine plus the antidote or safener, dichlormid. While the acetochlor and atrazine provide weed control, the dichlormid safens corn against herbicide injury. Keystone LA may be applied to the surface or incorporated into the top 1-2 inch layer of soil. It is recommended for control alone, or in tank mix combinations, for the weeds listed in the "Target Weeds" section of these use directions. Keystone LA controls weeds by interfering with normal germination and seedling development. Keystone LA does not control established or germinated weeds present at application.

Use Restrictions

- Do not apply to the following soils if groundwater depth is 30 feet or less: sand with less than 3% organic matter; loamy sand with less than 2% organic matter; or sandy loam with less than 1% organic matter.
- This product may not be mixed/loaded, or used within 50 feet of any wells, including abandoned wells, drainage wells, or sink holes.
- This product must not be mixed or loaded, or used within 50 feet of all wells, including abandoned wells, drainage wells, and sink holes. Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any

well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or washwater, and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self-contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain at a minimum 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100% of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above specified minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site. Additional State imposed requirements regarding well-head setbacks and operational area containment must be observed.

- This product may not be mixed or loaded within 50 ft. of intermittent streams and rivers, natural or impounded lakes and reservoirs. This product may not be applied by ground within 66 feet of the points where field surface water runoff enters perennial or intermittent streams and rivers or within 200 feet around natural or impounded lakes and reservoirs. If this product is applied to highly erodible land, the 66-foot buffer or setback from runoff entry points must be planted to crop, seeded with grass or other suitable crop.
- **Tile-Outletted Fields Containing Standpipes**
One of the following restrictions must be used in applying this product to tile-outletted fields containing standpipes:
 1. Do not apply this product within 66 feet of standpipes in tile-outletted fields.
 2. Apply this product to the entire tile-outletted field and immediately incorporate it to a depth of 2-3 inches in the entire tile-outletted field.
 3. Apply this product to the entire tile-outletted field under a no-till practice only when high crop residue management practices are used. High crop residue management is described as a crop management practice where little or no crop residue is removed from the field during or after crop harvest.
- **Chemigation:** Do not apply this product through any type of irrigation system.
- Do not use flood irrigation to apply or incorporate this product.
- Product must be used in a manner that will prevent back siphoning in wells, spills or improper disposal of excess pesticide, spray mixtures or rinsates.
- Do not apply under conditions that favor runoff or wind erosion of soil containing this product to non-target areas. To prevent off-site movement due to runoff or wind erosion:
 - Avoid treating powdery dry or light sandy soils when conditions are favorable for wind erosion. Under these conditions, the soil surface should first be settled by rainfall or irrigation.
 - Do not apply to impervious substrates such as paved or highly compacted surfaces or frozen or snow covered soils.
 - Do not use tailwater from the first flood or furrow irrigation of treated fields to treat non-target crops unless at least ½ inch of rainfall has occurred between application and the first irrigation.
- **Aerial Application: Do not apply this product using aerial application equipment.**
- Do not apply when wind conditions favor drift to non-target sites. To minimize spray drift to non-target areas:
 - Use low-pressure application equipment capable of producing a large droplet spray.
 - Do not use nozzles that produce a fine droplet spray.
 - Minimize drift by using sufficient spray volume to ensure adequate coverage with large droplet size sprays.
 - Keep ground-driven spray boom as low as possible above the target surface.
 - Make application when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid application when gusts approach 15 mph.

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- Low humidity and high temperatures increase the likelihood of spray drift to sensitive areas. Avoid spraying during conditions of low humidity and/or high temperatures. Do not apply during inversion conditions.
- **Maximum Application Rates:**
Maximum broadcast application rates for corn must be as follows:
 - If no atrazine was applied prior to corn emergence, apply a maximum of 2 pounds active ingredient per acre broadcast. If postemergence treatment is required following an earlier herbicide application, the total atrazine applied may not exceed 2.5 pounds active ingredient per acre per calendar year.
 - Apply a maximum of 2.0 pounds active ingredient per acre if a single preemergence application is made on soils that are not highly erodible or on highly erodible soil if at least 30% of the soil is covered with plant residues, or
 - Apply a maximum of 1.6 pounds active ingredient per acre as a single preemergence application on highly erodible soils if less than 30% of the soil is covered with plant residues; or 2.0 pounds active ingredient per acre if only applied postemergence.
- **Preharvest Interval:** Do not apply Keystone LA within 60 days of harvest for forage uses.
- Postemergence applications of atrazine to corn must be made before the crop reaches 12 inches in height.

General Use Precautions

- Failure to strictly follow label directions may result in exceeding the maximum annual atrazine use rates as stipulated by the Environmental Protection Agency.
- **Caution:** This product contains atrazine and thus may not control weeds that are known or suspected to be triazine resistant. Following many years of continuous use of atrazine and chemically related products, biotypes of some of the weeds listed on this label have been reported which cannot be effectively controlled by atrazine and related herbicides. Where this is known or suspected and weeds controlled by atrazine are expected to be present along with resistant biotypes, it is recommended that atrazine be used in combinations or in sequence with other registered herbicides which are not triazines. If only resistant biotypes are expected to be present, use a registered non-triazine herbicide.
- Do not use Keystone LA on any crop other than field corn, production seed corn, silage corn and popcorn.
- Keystone LA should not be used on corn seed stock such as Breeders, Foundation, or Increase.
- Do not contaminate irrigation water used for crops other than corn or water used for domestic purposes.
- Do not apply Surpass75 before pre-irrigation in irrigated areas.
- Do not allow Keystone LA to contaminate feed or food.
- Keystone LA should not be stored near seeds, fertilizers, or foodstuffs.
- All containers of Keystone LA should be kept tightly closed when not in use.
- Applied according to directions and under normal growing conditions, Keystone LA will not harm the treated crop. During germination and early stages of growth, extended periods of unusually cold and wet or hot and dry weather, insect or plant disease attack, carryover pesticide residues, the use of certain soil applied systemic insecticides, improperly placed fertilizers or soil insecticides may create abnormal conditions that weaken crop seedlings. Keystone LA used under these abnormal conditions could result in crop injury.

Rotational Crop Restrictions:

When tank mixing with other herbicides, follow the most restrictive crop rotation guidelines on the label of each product used. The following rotational crops may be planted as indicated:

Rotational Crop(1)	Timing or Interval
corn	0 months after application
sorghum, soybeans(2), tobacco(3)	Spring following application
wheat	15 months after application

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Numbers within parentheses (-) in the table refer to Specific Rotational Crop Requirements below.

- (1) If crop treated with Keystone LA is lost, corn may be replanted immediately. Do not make a second application of Surpass75. Do not rotate to crops other than corn, soybeans, sorghum, tobacco and wheat. Do not apply Keystone LA after June 10, unless only corn will be planted the following year.
- (2) Due to the risk of atrazine carryover, injury to soybeans may occur the year following corn when planted in north central and northwest Iowa, south central and southwest Minnesota, northern Nebraska and southeast South Dakota on soils having a calcareous surface layer and relatively high pH.
- (3) Because of atrazine carryover, injury may occur to tobacco.

Application Directions - Corn

Carriers

Liquids: Either water or liquid fertilizers such as solutions, slurries or suspensions may be used as liquid carriers. If fluid fertilizers are used, a physical compatibility test with these must be done **before combining** in the spray tank. See Appendix I for details of the compatibility testing procedure. Even if Keystone LA is physically compatible with a fluid fertilizer, constant agitation is necessary to maintain a uniform mixture during application.

Dry Bulk Fertilizer: Keystone LA may be impregnated on dry bulk fertilizer and applied as the fertilizer is spread. See Appendix II for details including which fertilizers are compatible.

Adding to Spray Tank

The spray tank must be clean, thoroughly rinsed and decontaminated before adding either Keystone LA alone or with tank mix combinations. If water is used as the carrier, use clean water.

Used Alone: When Keystone LA is used alone, add the recommended amount to the spray tank when the tank is half filled with carrier, then add the rest of the water or fluid fertilizer. Provide sufficient agitation during mixing and application to maintain a uniform emulsion.

Tank Mixed: If a tank mixture is used, it is recommended that a compatibility test be done before actual tank mixing. See Appendix I for details on the procedure for such a test.

Once compatibility is confirmed for the tank mix, fill the tank half full of carrier. Start and continue agitation throughout mixing. All return lines to the spray tank must discharge below the liquid level. Add components in the following order of formulation:

- If a wettable powder or dry flowable formulation is used, make a slurry with water and add it slowly through the screen into the tank. Agitate during the procedure.
- If a flowable formulation is used, add slowly through screen into the tank. Mixing and compatibility may be improved when the flowable is diluted with water before adding to the tank.
- Add Keystone LA next.
- Add ammonium sulfate then Glyphomax Plus herbicide, 2,4-D herbicide, and a nonionic surfactant last, if needed.
- Complete filling the sprayer tank and continue agitation.
- Batches should be mixed and applied the same day.

Volume

Liquid: Use a minimum of 10 gallons per acre in broadcast boom equipment for ground applications.

Dry Bulk Fertilizer: Use a minimum of 200 pounds of dry bulk fertilizer per acre. See Appendix II for more details.

Pressure

If liquid carriers are used, the pressure at the nozzle should be 15 to 40 psi to ensure good distribution in the spray pattern. Use appropriate nozzles and 50-mesh or coarser screens, if needed. Maintain sufficient agitation to ensure the mixture is suspended in the spray tank.

Application Timing and Methods

Early Preplant: On medium and fine textured soils (Table 1), Keystone LA may be applied up to 30 days prior to planting.

Preplant Incorporation: Keystone LA may be mechanically incorporated in the top 2 inches of the soil with field cultivators, discs, or spring tooth harrows at any time within 14 days prior to planting. Improper incorporation, excessive crop residues, or poor soil tilth may result in erratic, streaked or otherwise unsatisfactory weed control. Avoid moving or shaping soil after incorporation.

Preemergence Surface: Keystone LA and certain tank mixes may be applied to the soil surface as a broadcast or banded application. Precipitation or sprinkler irrigation of at least 0.25 inch is required to bring Keystone LA into contact with germinating seeds. If rain or sprinkler irrigation does not occur within 7 days after application, weed control may be improved by using a rotary hoe, or similar device, to incorporate the herbicide. The device used should be run at a shallow depth to prevent disturbing the corn seed. Do not remove Keystone LA from the weed control zone or dilute it with untreated soil.

Postplant-Preemergence: Keystone LA may be applied immediately after planting but prior to corn emergence. If rain or sprinkler irrigation does not occur within 7 days after application, weed control may be improved by using a rotary hoe, or similar device, to shallowly incorporate the herbicide. Do not disturb the germinating corn. Do not remove Keystone LA from the weed control zone or dilute it with untreated soil.

Banding-Preemergence: Keystone LA may be applied in a 10 to 14 inch band after corn planting but prior to corn emergence. If rain or sprinkler irrigation does not occur within 7 days after application, weed control may be improved by using a rotary hoe or similar device to incorporate the herbicide. Do not disturb the germinating corn. Do not remove Keystone LA from the weed control zone or dilute it with untreated soil.

Early Postemergence: Keystone LA may be applied early postemergence to corn up to 11" tall. Applications must be made prior to weed seedling emergence or in a tank mixture that controls the emerged weeds. Read and follow restrictions and directions on tank mix product labels.

Sprinkler Irrigation: Do not apply Keystone LA through sprinkler irrigation systems. Use a sprinkler system only to incorporate Keystone LA after application. After Keystone LA has been applied, a sprinkler irrigation system set to deliver 0.25 to 0.75 inch of water per acre may be used to incorporate the product. Using more than 0.75 inch of water could result in reduced performance. On sandy soils low in organic matter, use no more than 0.5 inch of water. Do not use flood irrigation to apply or incorporate Keystone LA.

Planting

Planting should be done as close to the time of application of Keystone LA as possible. This allows Keystone LA to provide effective weed control during the time it is most critical in the production of corn.

Cultivation

Cultivation should be delayed as long as possible. Should weeds develop, a shallow cultivation or rotary hoeing will generally result in improved weed control. If Keystone LA was incorporated, cultivate to a depth of less than half the depth of incorporation.

If cultivation is necessary due to soil crusting, compaction, or escaped weeds, adjust equipment to run shallow and minimize soil movement. This will decrease the possibility of diluting or moving the herbicide from the weed control zone.

Soil Texture and Organic Matter

Soils are grouped into three textural classes (coarse, medium and fine), as outlined in Table 1.

Table 1: Soil Texture Groupings for Keystone LA Use Rate Selection.

Coarse	Medium	Fine
Sand Loamy Sand Sandy Loam	Loam Silt Silt Loam	Silty Clay Loam Sandy Clay Loam Sandy Clay Silty Clay Clay Loam Clay

Soil texture and organic matter content of the field to which the application is to be made must be determined prior to application. The use rate of Keystone LA is determined by a combination of these two factors.

Use Rates in Conventional Tillage Systems

Table 2: Keystone LA Use Rates (qt/acre) by Soil Texture and Organic Matter Content in Conventional Tillage Systems.

The following use rates are for preplant incorporated, preemergence, and early postemergence applications (see Application Timing and Methods). Consult Table 3 if no-till applications are made or the product is applied more than 14 days prior to planting under conventional tillage.

Soil Texture	Soil Organic Matter Content	
	Less than 3%	3% or Greater
Coarse	1.6- 1.8	1.8 – 2.0
Medium	1.8 – 2.1	1.9 – 2.1
Fine	1.9 – 2.2	1.9 – 3.0

Organic Matter: If the organic matter content of the soil is at the lower end of the range, use the lower rates in the rate range provided in Table 2. If the organic matter content is at the upper end of the range, use the higher rates.

Weed Infestation: If the weed infestation is lighter, use a rate at the lower end of the rate range for the soil texture and organic matter content. If the weed infestation is heavier, use the higher rates in the rate range for the soil conditions.

Use Rates for Reduced Tillage Systems

Keystone LA may be used in reduced or no-tillage systems. Applications may be made from up to 30 days prior to planting or after planting but before the corn emerges. Optimal weed control will be obtained when applications are made as close to planting as possible but before the corn emerges. It is recommended that a burndown herbicide such as Glyphomax Plus or 2,4-D be tank mixed with Keystone LA in reduced or no-tillage systems to control emerged weeds.

Table 3: Keystone LA Use Rates † (qt/acre) by Soil Texture in Reduced or No-Tillage Systems

Soil Texture	Time Of Application Relative To Planting		
	Greater Than 14 Days Before Planting	Less Than 14 Days Before Planting or After Planting But Prior to Corn Emergence	After Planting and/or Corn Emergence
Coarse	Do not apply more than 14 days before planting on coarse textured soils	1.6 – 1.9	1.6 – 1.9
Medium	1.8 – 2.5	1.8 – 2.1	1.8 – 2.1
Fine	2.1 – 3.0	1.9 – 3.0	1.9 – 2.5

† Rates are for single applications. Split applications of Keystone LA may be used. Apply at least 60% of the recommended rate up to 30 days before planting and the remaining balance, up to 40%, at planting

Band Applications

For band applications, use row and bandwidth measurements (inches) to calculate the amount of Keystone LA to be applied per acre as follows:

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{Rate per acre for a broadcast treatment} = \text{Amount of Keystone LA to apply per acre}$$

Weeds Controlled

Keystone LA applied as directed in this label will control or partially control the weeds listed in Table 4. Additional weeds may be controlled with tank mixes. See the "Tank Mix Combinations" section of this label for tank mix recommendations. Always consult the tank mix product labels for specific use rates and directions. Always follow the most restrictive label when tank mixing Keystone LA with another product. Keystone LA may be tank mixed with any other registered corn product as long as compatibility is verified and it is not prohibited by the label of the tank mix product. Note: This product contains atrazine and thus may not control weeds that are known or suspected to be triazine resistant.

Table 4: Weeds Controlled or Partially Controlled by Keystone LA at Recommended Use Rates.

Grasses and Sedges	C = Control PC = Partial Control	Broadleaves	C = Control PC = Partial Control
barnyardgrass	C	beggarweed, Florida	C
crabgrass spp.	C	carpetweed	C
crowfootgrass	C	cockiebur (2)	PC
cupgrass, southwestern	C	galinsoga	C
cupgrass, woolly	PC	jimsonweed	C
foxtail, giant	C	kochia	PC
foxtail, green	C	lambsquarters, common	C
foxtail, robust (purple, white)	C	morningglory spp.	C
foxtail, yellow	C	nightshade, black	C
goosegrass	C	nightshade, hairy	C
johnsongrass, seedling	PC	pigweed, redroot	C
millet, foxtail	C	purslane, common	C

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millet, wild proso	PC	pusley, Florida	C
nutsedge, yellow (1,2)	C	raqweed, common	C
panicum, browntop	C	raqweed, giant	PC
panicum, fall	C	sicklepod	C
panicum, Texas	C (3)	sida, prickly	C
rice, red	C	smartweed spp.	C
sandbur, field	PC	velvetleaf (2)	PC
shattercane	PC	waterhemp, tall	C
signalgrass, broadleaf	C (3)		
sprangletop, red	C		
witchgrass	C		

- (1) For best control of yellow nutsedge use preplant incorporation or tank mix with additional Surpass EC or atrazine.
- (2) Activity may be reduced under dry conditions or following early (more than 14 days) preplant applications. Sequential herbicides or additional atrazine may be needed for complete control.
- (3) Best control is achieved when Keystone LA is applied within 5 days of planting and rainfall occurs shortly after application or mechanical incorporation is used to activate the herbicide. If rainfall does not occur within 7 days after application, shallow cultivation will enhance activity. Excessive rainfall after application may reduce control. Under adverse weather conditions and/or heavy infestations, a cultivation or follow-up herbicide may be needed.

Keystone LA Tank Mix Combinations

When tank mixing or sequentially applying atrazine or products containing atrazine to corn, the total pounds of atrazine applied (lb a/A) must not exceed 2.5 pounds of active ingredient per year.

Use of Spray Adjuvants

Keystone LA is a preemergence herbicide for which spray adjuvants have little or no effect on performance. However, several herbicides used in tank mixtures with Keystone LA require use of adjuvants to aid in the burndown of emerged weeds. Use only those adjuvants recommended on tank mix product labels and approved for agricultural crop use. Adjuvants and/or low rate liquid fertilizers (28%, 30% or 32% UAN) or ammonium sulfate (AMS) may be used with tank mixes applied preplant or preemergence to the crop. Note: Do not use liquid fertilizer as the carrier when Keystone LA is applied postemergence to corn as severe injury may result. The addition of liquid fertilizers used as adjuvants with Keystone LA tank mixes applied postemergence to corn under environmental stress conditions may result in significant crop injury and should be avoided if the risk of crop injury is unacceptable.

Preemergence Tank Mix Combinations

Tank mix combinations may be used in either conventional, reduced or no-till systems and be applied by the same methods and at the same timings as Keystone LA unless otherwise specified in the tank mix product label.

When tank mixing Keystone LA with atrazine, do not exceed the maximum allowable rate of atrazine in your county or state. In some atrazine management areas, atrazine is more restricted. Consult your county extension office or state university for further information.

Conventional Tillage Corn (Keystone LA Plus):

Tank Mix Herbicide †	Comments
Atrazine 4L	<ul style="list-style-type: none"> • Preplant surface, preplant incorporated, preemergence. If emerged weeds are greater than 1.5 inches tall at the time of application, add an appropriate postemergence herbicide • Longer growing season areas • High rainfall areas • Heavy broadleaf weed pressure
Balance Pro	<ul style="list-style-type: none"> • Not labeled in all states; please refer to the Balance Pro label for precautionary statements, directions for use, geographic and other restrictions • Field corn only • Refer to the use rates section for Keystone LA for minimum use rates
Hornet WDG	<ul style="list-style-type: none"> • Tank mixing 3.0 – 4.0 oz/acre Hornet® WDG herbicide provides consistent control of velvetleaf, lambsquarters, pigweed species, waterhemp and triazine resistant varieties of these species. Will also provide improved control of cocklebur, common ragweed, giant ragweed, common sunflower and jimsonweed.
Princep 4L	<ul style="list-style-type: none"> • Improve crabgrass or fall panicum control.
Python WDG	<ul style="list-style-type: none"> • Tank mixing 0.8 – 1.0 oz/acre Python® WDG herbicide provides consistent control of velvetleaf, lambsquarters, pigweed species, waterhemp and triazine resistant varieties of these species.
Surpass EC	<ul style="list-style-type: none"> • Tank mix 1 pt/acre for enhanced grass and nutsedge control

† Formulations that are not listed may be used: Perform a compatibility test and check the label of the tank mix product label for application rates, applicable use directions, precautions and limitations.

Reduced or No-Tillage Corn (Keystone LA Plus):

Tank Mix Herbicide †	Comments
Atrazine 4L	<ul style="list-style-type: none"> • Longer growing season areas • High rainfall areas • Heavy broadleaf weed pressure • If emerged weeds are greater than 1.5 inches tall at the time of application, add an appropriate postemergence herbicide
Balance Pro	<ul style="list-style-type: none"> • Not labeled in all states; refer to the label for Balance Pro label for precautionary statements, directions for use, geographic and other use restrictions • Field corn only • Refer to use rate section for Keystone LA for minimum use rates
Banvel/Clarity Marksman	<ul style="list-style-type: none"> • Apply preplant or preemergence in reduced/ no-till systems for burndown of existing weeds • Preemergence on all soils; medium and fine textured with >2% OM
Glyphomax Plus, Roundup UltraMAX, Touchdown	<ul style="list-style-type: none"> • Burndown existing weeds
Gramoxone Max	<ul style="list-style-type: none"> • Control annuals, suppress perennials
Pendimax® / Prowl	<ul style="list-style-type: none"> • Preemergence to early postemergence (up to 3" tall corn) but before weeds are more than 1" tall.
Princep 4L	<ul style="list-style-type: none"> • Improved crabgrass or fall panicum control
Surpass EC	<ul style="list-style-type: none"> • Enhanced grass and nutsedge control
2,4-D	<ul style="list-style-type: none"> • Burndown existing weeds

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† Formulations that are not listed may be used: Perform compatibility test and check the product label for directions and precautions.

Keystone LA and Glyphomax Plus, 2,4-D

In reduced or no-tillage corn, Glyphomax Plus, Roundup Ultra Max, Gramoxone Max, Touchdown, and/or 2,4-D can be used to burn down existing weeds. Burndown herbicides should be applied to emerged weeds when they are small; weeds less than 6 inches in height are easiest to control. Consult the burndown product labels for further information on weeds controlled.

Postemergence Tank Mix Combinations

Keystone LA may be applied before, with, or following the use of one or more of the following herbicides: 2,4-D Ester, Accent, Accent Gold, Aim, atrazine, Banvel, Basis, Basis Gold, Beacon, Buctril, Buctril/atrazine, Clarity, Distinct, Exceed, Hornet WDG, Liberty, Lightning, Marksman, Peak, Permit, Princep, Prowl, Pendimax, Pursuit, Resource, Spirit, and Steadfast. Refer to the tank mix product label(s) regarding use directions, precautions and restrictions, and the list of weeds controlled. Keystone LA may be tank mixed with any product approved for use on corn unless it is prohibited on the tank mix product label. Note: Do not use liquid fertilizer as the carrier when Keystone LA is applied postemergence to corn as severe injury may result. The addition of liquid fertilizers used as adjuvants with Keystone LA tank mixes applied postemergence to corn under environmental stress conditions may result in significant crop injury and should be avoided if the risk of crop injury is unacceptable.

When **tank mixed**, refer to the tank mix product label and follow the additional use directions given in this table:

Keystone LA can be applied to corn up to 11" tall.

Postemergence Tank Mixes (Keystone LA Plus):

Tank Mix Herbicide	Rate	Comments
Accent Gold	2.9 oz/acre	<ul style="list-style-type: none"> Always add crop oil concentrate at 1% v/v. An ammonium nitrogen fertilizer is also recommended.
Hornet WDG	2-5 oz/acre	<ul style="list-style-type: none"> Always add NIS at 0.25% v/v or COC at 1% v/v.
Aim herbicide	0.3 oz/acre	<ul style="list-style-type: none"> Always add a NIS at 0.25% v/v.
Banvel Clarity Marksman	0.5 - 1.0 pt/acre 0.5 - 1.0 pt/acre 2 - 3.5 pt/acre	<ul style="list-style-type: none"> Early postemergence up to 8" tall corn on all soils. If grasses are more than 2- leaf stage, combine with another herbicide to control these weeds.
Buctril Buctril/atrazine Shotgun herbicide	1.5 pt/acre 2.0 pt/acre 2 - 3 pt/acre	<ul style="list-style-type: none"> Refer to product label for use directions. Refer to label for Shotgun herbicide for timing and use directions.
Atrazine	0.5 - 2.0 lb ai/acre	<ul style="list-style-type: none"> Preplant surface, preplant incorporated, preemergence or early postemergence (up to 8" tall corn). If emerged weeds are greater than 1.5 inches tall at the time of application, add an appropriate postemergence herbicide. Note: The maximum atrazine application rate for corn is 2.5 pounds atrazine active ingredient per acre per calendar year.

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Distinct	4.0 - 6.0 oz/acre	<ul style="list-style-type: none"> Always add a NIS at 0.25% v/v and 1.25% UAN. Can be applied up to 10-inch corn. 																
Exceed	1.0 oz/acre	<ul style="list-style-type: none"> Always add crop oil concentrate at 1% v/v. See label for geographic restrictions. 																
Liberty	16 - 28 oz/acre	<ul style="list-style-type: none"> For use on liberty tolerant corn only. Apply to grass and broadleaves up to 6" tall. Do not add additional surfactant. 																
Lightning	1.28 oz/acre	<ul style="list-style-type: none"> For use on Clearfield corn only. Use a NIS at 25%v/v and a liquid nitrogen fertilizer at 1 - 2 qt per acre or ammonium sulfate at 2.5 lb per acre. 																
Pendimax / Prowl	1.8 - 3.6 pt/acre	<ul style="list-style-type: none"> Preemergence to early postemergence (up to 3" tall corn) but before weeds are more than 1" tall. 																
Princep	1.0 - 3.0 lb ai/acre	<ul style="list-style-type: none"> Preplant surface, preplant incorporated, preemergence to corn. 																
Pursuit 2.5L Pursuit 70DG	4.0 fl oz/acre 1.4 fl oz/acre	<ul style="list-style-type: none"> Use only on Clearfield varieties. Apply preplant surface, preplant incorporated, preemergence or early postemergence (up to 3" tall weeds). 																
Resource	4.0 - 6.0 oz/acre	<ul style="list-style-type: none"> Apply to weeds less than 5" tall. Add a crop oil concentrate at 1 - 2 pt/acre and either 28% nitrogen at 2% v/v or ammonium sulfate at 2.5 lb/acre. May cause some burn or spotting to corn leaves. 																
Spirit	1.0 oz/acre	<ul style="list-style-type: none"> Always add crop oil concentrate at 1% v/v. See label for geographic restrictions. 																
2,4-D Ester	See Label	<ul style="list-style-type: none"> Apply preplant surface or preemergence to control emerged broadleaf weeds in corn. 																
Accent 75WDG Beacon 75WDG Basis Steadfast	1/4 - 2/3 oz/acre 0.76 oz/acre 1/4 - 2/3 oz/acre 0.75 oz/acre	<ul style="list-style-type: none"> Minimum Keystone LA use rates (qt/acre): <table border="1"> <thead> <tr> <th>Soil</th> <th><3%OM</th> <th>3-7%OM</th> <th>>7%OM</th> </tr> </thead> <tbody> <tr> <td>Coarse</td> <td>1.4</td> <td>1.4</td> <td>1.8</td> </tr> <tr> <td>Medium</td> <td>1.4</td> <td>1.4 - 1.6</td> <td>1.9 - 2.1</td> </tr> <tr> <td>Fine</td> <td>1.4</td> <td>1.4 - 1.6</td> <td>2.1</td> </tr> </tbody> </table> Always add NIS at .25% (v/v); and in addition if applied in dry conditions, add 4% (v/v) clear liquid fertilizer. Banvel, Clarity, Marksman, Buctril, Buctril/ atrazine may be added to this mixture to provide burndown and residual control of broadleaf weeds. 	Soil	<3%OM	3-7%OM	>7%OM	Coarse	1.4	1.4	1.8	Medium	1.4	1.4 - 1.6	1.9 - 2.1	Fine	1.4	1.4 - 1.6	2.1
Soil	<3%OM	3-7%OM	>7%OM															
Coarse	1.4	1.4	1.8															
Medium	1.4	1.4 - 1.6	1.9 - 2.1															
Fine	1.4	1.4 - 1.6	2.1															
Basis Gold	14.0 oz/acre	<ul style="list-style-type: none"> Minimum Keystone LA use rates (qt/acre): <table border="1"> <thead> <tr> <th>Soil</th> <th><3%OM</th> <th>3-7%OM</th> <th>>7%OM</th> </tr> </thead> <tbody> <tr> <td>Coarse</td> <td>1.4</td> <td>1.4</td> <td>1.8</td> </tr> <tr> <td>Medium</td> <td>1.4</td> <td>1.4 - 1.6</td> <td>1.9 - 2.1</td> </tr> <tr> <td>Fine</td> <td>1.4</td> <td>1.4 - 1.6</td> <td>2.1</td> </tr> </tbody> </table> Always add crop oil concentrate at 1.0% v/v or under dry arid conditions, 2.0% v/v and 28% liquid nitrogen at 2 qt/acre or ammonium sulfate at 2 lb/acre. Banvel, Clarity, Marksman, Buctril, or Tough herbicide may be added to this mixture to provide burndown and residual control of broadleaf weeds. 	Soil	<3%OM	3-7%OM	>7%OM	Coarse	1.4	1.4	1.8	Medium	1.4	1.4 - 1.6	1.9 - 2.1	Fine	1.4	1.4 - 1.6	2.1
Soil	<3%OM	3-7%OM	>7%OM															
Coarse	1.4	1.4	1.8															
Medium	1.4	1.4 - 1.6	1.9 - 2.1															
Fine	1.4	1.4 - 1.6	2.1															

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Appendix I

Procedure for Testing the Compatibility of Keystone LA and Tank Mixes with Fluid Fertilizers.

Since fluid fertilizers vary, the following procedure is suggested for determining whether Keystone LA may be combined with a specific fluid fertilizer for spray tank application.

Materials Needed:

- Keystone LA and any tank mix products.
- Fluid fertilizer to be used.
- Adjuvant for fertilizer tank mix: Use any adjuvant cleared for use on growing crops under 40 CFR 180.1001 to improve the compatibility of Keystone LA with fluid fertilizers. The adjuvant that provides the best emulsification depends on the specific fertilizer under consideration.
- Two 1 quart, wide mouth glass jars with lid or stopper.
- Measuring spoons (a 25 ml pipette or graduated cylinder provides more accurate measurement).
- Measuring cup, 8 ounces (257 ml).

Procedure:

1. Pour a pint (about 473 ml) of the fluid fertilizer into each of the quart jars.
2. Add Keystone LA and any tank mix combination to the jars. The order of addition is wettable powders first with mixing, followed by flowables with mixing and the EC's last. The rate of wettable powders and dry flowables is 1½ teaspoon per pound of product per acre to be applied. EC's should be added at the rate of ½ teaspoon for each pint per acre to be applied. Premixing the wettable powders in 1 ounce of water before adding to the pint of fluid fertilizer will improve the compatibility of the final mixture.
3. Add ½ teaspoon (2 ml) adjuvant to one of the jars, label it as "with", and mix. The rate of ½ teaspoon per pint is equal to 3 pints of adjuvant per 100 gallons of fluid fertilizer.
4. Close both jars with lids or stoppers and mix the contents by turning the jars upside down ten times.
5. Inspect the surface and body of the mixtures:
 - (a) Immediately after completing the jar inversions
 - (b) After allowing the jars to stand quietly for 30 minutes
 - (c) And then again after turning the jars upside down 10 times after the 30 minute inspection

Evaluation:

If either mixture remains uniform for 30 minutes, the combination may be used. Should either mixture separate after 30 minutes, but readily remix uniformly with 10 jar inversions, the mixture can be used if adequate agitation is maintained in the tank. If the mixture with adjuvant is satisfactory but the mixture without adjuvant is not, be sure to use the adjuvant in the spray tank. Add the adjuvant first at a rate of 3 pints per 100 gallons of fluid fertilizer. Foaming may be minimized by using only moderate agitation. **If non-dispersible oil, sludge, or clumps of solids form in the mixtures, the combination should not be used.**

Appendix II

Dry Bulk Fertilizer Impregnation

Impregnation of bulk fertilizer is restricted to commercial facilities. On-farm fertilizer impregnation is prohibited. No more than 500 tons of bulk fertilizer can be impregnated per day. No single facility may impregnate fertilizer with this product for more than 30 days per calendar year.

The commercial facility impregnating the dry bulk fertilizer must inform, in writing, the user (applicator) of the dry bulk fertilizer that:

- Applicator must wear long-sleeved shirt, long pants, shoes, and socks

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- The restricted entry interval is 12 hours.

All individual state regulations relating to dry bulk fertilizer blending, registration, labeling and application are the responsibility of the individual and/or company selling the Keystone LA or Keystone LA plus atrazine.

When applying Keystone LA alone or in tank mixes with dry bulk fertilizers, follow all directions for use and precautions on the respective tank mix product labels regarding rates, soil texture, application methods and rotational restrictions. Use a minimum of 200 pounds dry fertilizer per acre.

Table 5: Approved Dry Fertilizer Ingredients for Use with Keystone LA.

Fertilizer	N	P	K
Ammonium Phosphate-Sulfate	16	20	0
Ammonium Sulfate	21	0	0
Diammonium Phosphate	18	46	0
Monoammonium Phosphate	11	56	0
Potassium Chloride	0	0	60
Potassium Sulfate	0	0	52
Urea [†]	45	0	0

[†] Some ureas may be phytotoxic when high rates are applied to corn. Use only urea rates known to be safe for corn application.

For impregnating the pesticides on dry fertilizers, use an appropriate mixer equipped with suitable spraying equipment. The spray nozzles should be positioned inside the mixer to provide uniform spray coverage of the tumbling fertilizer. The Keystone LA should be sprayed uniformly onto the fertilizer using a fine spray pattern. Tank mix components may be applied as separate ingredients with powders and dry flowables added first or they may be mixed in a slurry in the proper ratio and added jointly. Keystone LA may also be impregnated on the go and applied with pneumatic applicators.

The following table provides a reference to determine the amount of Keystone LA to be mixed per ton of dry bulk fertilizer for a range of herbicide rates.

Fertilizer Rate (lb per acre)	Acres per Ton	Keystone LA Fertilizer Impregnation Rate Conversion Table		
		Quarts of Keystone LA per Ton of Fertilizer to Deliver:		
		1.6 qt/acre	2.0 qt/acre	3.0 qt/acre
200	10	16.0	20.0	30.0
250	8	12.8	16.0	24.0
300	6.7	10.7	13.3	20.0
350	5.7	9.1	11.4	17.1
400	5	8.0	10.0	15.0
450	4.5	7.1	8.9	13.3

To determine the amount of Keystone LA needed for other fertilizer rates, use the following formula:

$$\frac{\text{Keystone LA (quarts/acre)}}{\text{Pounds of fertilizer/acre}} \times 2000 = \text{Quarts of Keystone LA per ton of fertilizer}$$

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If the herbicide/fertilizer mixture is too wet, use of a drying agent is required to provide a dry, free-flowing mixture. For mixtures to be used in spinning-disc applicators, Micro-Cel E calcium silicate powder (Manville, Filtration & Minerals) is recommended for use as a drying agent. Mixtures to be used in pneumatic applicators should use Micro-Cel E or Agsorb 16/30 RVM-MS granular clay (Oil-Dri Corporation). The drying agents should be added separately and uniformly to the prepared pesticide/fertilizer mixture, in a quantity that is sufficient to provide a suitable free-flowing mixture. Generally, less than 2% Micro-Cel E or 5% Agsorb 16/30 RVM-MS by weight is required.

Precaution: To avoid potential for explosion, do not impregnate Keystone LA on ammonium sorbate nitrate, potassium nitrate, or sodium nitrate fertilizer or fertilizer blends. Do not impregnate on single (0-20-0) or triple (0-46-0) super phosphate. Do not impregnate on agricultural limestone because the Keystone LA will not be absorbed.

Terms and Conditions of Use

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

Warranty Disclaimer

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

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Crop injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Dow AgroSciences or the seller. All such risks shall be assumed by buyer.

Limitation of Remedies

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Dow AgroSciences' election, one of the following:

- (1) Refund of purchase price paid by buyer or user for product bought, or
- (2) Replacement of amount of product used

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