

cereva™

Contains Spinosad, the active ingredient used in Sensat®.

Liquid Stored Grain Insecticide

ACTIVE INGREDIENT:	(% by weight)
Spinosad.....	8.66%
OTHER INGREDIENTS:	91.34%
TOTAL	100.0%
(CAS Number 131929-60-7)	

EPA Reg. No.: 91234-424

KEEP OUT OF REACH OF CHILDREN CAUTION

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.)

See below for additional Precautionary Statements and Directions for Use.

FIRST AID	
If in eyes:	<ul style="list-style-type: none"> • 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.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information.	

For Chemical Emergency:
Spill, Leak, Fire, Exposure, or Accident,
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)

Cereva™ is not manufactured, or distributed by Bayer CropScience LP, seller of Sensat®.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- Protective eyewear

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.

User Safety Recommendations

Users should:

- Remove clothing/PPE 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.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic invertebrates. This product is highly toxic to mollusks. Do not contaminate water when disposing of equipment washwaters or rinsate.

PHYSICAL OR CHEMICAL HAZARDS

Do not mix or allow coming in contact with Oxidizing agents. Hazardous Chemical reaction may occur.

DIRECTIONS FOR USE

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

PRODUCT INFORMATION

Cereva is a 0.73 lb. ai/gallon flowable formulation that can be used to protect stored grains and other commodities from insect damage at an active ingredient concentration of 1 ppm by weight.

STORED GRAIN: For protection of the listed stored food, feed and oil grain commodities against injury from insect pests including, lesser grain borer, Indian meal moth, and angoumois grain moth, rice moth, almond moth, confused flour beetle, and flat grain beetle. Additional pests such as rice weevil, granary weevil, maize weevil, red flour beetle, saw toothed grain beetle, and rusty grain beetle are suppressed to low levels. Protection is achieved by breaking the pest life cycle through control of adults and/or immature life stages.

For optimum results, thoroughly clean and treat grain storage areas prior to storage of grain. If grain is infested, fumigate with a registered insecticide to control existing populations and apply **Cereva** for residual protection.

STORED SEED USED FOR PLANTING: This use is restricted to those crops listed on this label, but includes all non-food crop seeds including flower seed, ornamental seed, and grass seed.

Cereva may also be used in conjunction with registered fungicides or other insecticide seed protectants. Seed treated with **Cereva**, is considered food-quality grain. Seed treated with other seed protectant products may be required to be colored and tagged. Requirements for coloring and tagging can be found on the product labels.

INSECTICIDE RESISTANCE MANAGEMENT

For resistance management, **Cereva** contains a Group 5 insecticide. Any insect population may contain individuals naturally resistant to **Cereva** and other Group 5 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance, take the following steps:

- Rotate the use of **Cereva** or other Group 5 insecticides within a growing season, or among growing seasons, with different groups that control the same pests.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Atticus, LLC at 984-465-4800.

Application Rates:

For Crops Typically Treated per 1,000 Bushels, See the Following Table:

Target Crop	Cereva Per 1,000 Bushels* (to Deliver 1 ppm)	
	Fl. Oz.	ml
Barley	8.2	242
Bird Seed	See rate/ton**	See rate/ton**
Corn (field, sweet, pop, grown for seed)	9.8	290
Millet, foxtail	8.7	257
Millet, pearl	5.9	174
Millet, proso	9.8	290
Oats	5.9	174
Rice	7.8	231
Sorghum (Milo)	9.8	290
Triticale	10.3	305
Wheat	10.5	310

*Application rates are based on nominal commodity test weight.

**Ton = U.S. ton (2,000 lbs.)

SPECIFIC USE DIRECTIONS

Dilute **Cereva** with water, mix thoroughly and occasionally agitate. Apply as a coarse spray to the moving grain stream. Apply 5 gallons spray mixture per 1,000 bushels of grain for all grain listed above except rice. For rice apply 10 gallons of spray mixture per 1,000 bushels due to the absorbent grain coat.

Application per Ton of Grain or Seed

For crops typically treated per metric ton (2,200 lbs.), such as grain for export, apply 0.38 fl oz or 11.3 ml per metric ton to deliver 1 ppm of active ingredient.

For crops typically treated per ton (2,000 lbs.), i.e., bird seed or any other crop listed in the table above, apply 0.35 fl. oz. or 10.4 ml per ton to deliver 1 ppm of active ingredient.

Top Dressing Treatments

These treatments are not as effective as treating the full grain column, but they can provide significant protection from some insects such as Indian meal moth. For each 1,000 sq ft of surface, mix 2.6 fl. oz. of **Cereva** in 2.0 gallons of water. Apply one-half of the total application amount evenly across the surface and then rake to a depth of at least 4 inches. Complete the treatment by applying the remaining half to the surface and leave undisturbed.

RECOMMENDATIONS

- International tolerances and residue limits for crops and commodities treated with this product may not yet be established in one or more countries outside the United States. For this reason, this product should be used only on crops and commodities intended for consumption in the United States or on crops and commodities that will be imported to a country(ies) where you have confirmed the specific import residue policies and applicable residue limits per such import.
- Avoid application at extremely dusty sites.
- Maintain accurate records, especially if commodity is destined for export.
- Calibrate application equipment and grain flow rates daily and when significant changes occur to ensure proper application rates.
- Always start with clean storage bins that have been treated with a protectant with a different mode of action.
- For resistance management, rotate chemical modes of action yearly.
- Always shake the container well before mixing to suspend product that may have settled during storage.

RESTRICTIONS

- When drying grain, apply **Cereva** after the grain has cooled.
- Do not treat grain more than once.
- No withholding period is required for grain, used for food, feed, or oil purposes.

Note: Refer to the **Environmental Hazards** section of the product label for required protection measures.



STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

PESTICIDE DISPOSAL: Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the 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 HANDLING:

For plastic containers ≤ 5 gallons: Nonrefillable Container: Do not reuse or refill this container. Triple rinse container (or equivalent) 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 ¼ 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 puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

For plastic containers > 5 gallons: Nonrefillable container: Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Recap 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 puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

LIMITATION OF WARRANTY AND LIABILITY

IMPORTANT: READ BEFORE USE. Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of ATTICUS, LLC. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ATTICUS, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label. **LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, neither ATTICUS, LLC the manufacturer, nor the Seller shall be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

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Sensat® is a registered trademark of Bayer CropScience LP, or an affiliate.

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