



# SAFETY DATA SHEET

**BCF WEED & FEED WITH 1.15% ATRAZINE FOR ST. AUGUSTINE LAWNS**

**EMERGENCY NUMBER: 1-800-424-9300**  
**BONUS CROP FERTILIZER, INC.**  
**GREENVILLE, TEXAS 75403**  
Effective Date: August 1, 2014

## 1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT: 1.15% Atrazine

### COMPANY IDENTIFICATION:

Bonus Crop Fertilizer, Inc.  
P O Box 1062  
Greenville, Texas 75403

## 2. HAZARDOUS IDENTIFICATIONS:

### EMERGENCY OVERVIEW

May be harmful if swallowed, inhaled, or absorbed through skin

**Appearance:** Tan or dark gray.

**Physical State:** Solid

**Odor:** Odorless.

**EMERGENCY PHONE NUMBER:** 800-222-1222

### CAUTION



**POTENTIAL HEALTH EFFECTS:** This section includes possible adverse effects, which could occur if this material is not handled in the recommended manner.

**EYES:** May cause slight irritation.

**SKIN:** May cause irritation.

**INHALATION:** May be harmful if inhaled.

**INGESTION:** May be harmful if swallowed.

**CHRONIC EFFECTS:** No known effect based on information supplied.

**AGGRAVATED MEDICAL CONDITIONS:** Pre-existing eye disorders; Skin disorders; Respiratory disorders.

**ENVIRONMENTAL HAZARD:** Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment see Section 12 for additional Ecological information.

## 3. COMPOSITION/INFORMATION INGREDIENTS:

Chemical Name	CAS-No	Weight%
Calcium Carbonate	1317-65-3	30 - 60
Urea	57-13-6	30 - 60

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). In addition, other substances not 'Hazardous' per this OSHA Standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard.

## 4. FIRST AID:

**GENERAL ADVICE:** Immediate medical attention is not required. If symptoms persist, call a physician.

**EYE CONTACT:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**SKIN CONTACT:** Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.

**INHALATION:** Move to fresh air. If symptoms persist, call a physician.

**INGESTION:** 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 the poison control center or doctor. Never give anything by mouth to an unconscious person.

**NOTE TO PHYSICIAN:** No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

## 5. FIRE FIGHTING MEASURES

**FLAMMABLE PROPERTIES:** Not flammable.

**FLASH POINT:** Not applicable.

**SUITABLE EXTINGUISHING MEDIA:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon Oxides

### EXPLOSION DATA:

Sensitivity to Mechanical Impact:	Not sensitive.
Sensitivity to Static Discharge:	Not sensitive.



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## Protective Equipment and Precautions for Firefighter:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### NFPA

Health Hazard 1

Flammability 1

Stability 0

Physical and Chemical Hazards

NIOSH IDLH: Immediately Dangerous to Life or Health

**ENGINEERING CONTROLS:** Showers  
Eyewash stations  
Ventilation systems

## RECOMMENDATIONS FOR MANUFACTURING COMMERCIAL BLENDING, AND PACKAGING WORKERS:

## 6. ACCIDENTAL RELEASE MEASURES:

**Personal Precautions:** Use personal protective equipment. Avoid contact with the skin and the eyes.

**Methods for Containment:** Prevent dust cloud. Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up: Take up mechanically and collect in suitable container for disposal. Clean contaminated surface thoroughly.

**EYE/FACE PROTECTION:** No special protective equipment required.

**SKIN PROTECTION:** Protective gloves.

**RESPIRATORY PROTECTION:** No respiratory protection is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practices.

## 7. HANDLING AND STORAGE:

**Handling:** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes.

**Storage:** Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

These precautions are suggested for conditions where the potential for exposure exists. Emergency conditions may require additional precautions.

**Chemical Name:** Atrazine 1912-24-9

**ACGIH TLV:** TWA: 5mg/m<sup>3</sup>

**OSHA PEL:** TWA: 5mg/m<sup>3</sup>

**NIOSH IDHL:** TWA: 5mg/m<sup>3</sup>

**Chemical Name:** Calcium Carbonate 1317-65-3

**ACGIH TLV:**

**OSHA PEL:** TWA: 15mg/m<sup>3</sup>

TWA: 5mg/m<sup>3</sup>

TWA: 15mg/m<sup>3</sup>

TWA: 5mg/m<sup>3</sup>

**NIOSH IDHL:** TWA: 10mg/m<sup>3</sup>

TWA: 5mg/m<sup>3</sup>

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

**APPEARANCE:** Tan or dark gray.

**ODOR:** Colorless

**BOILING POINT:** No information available.

**MELTING POINT:** No information available.

**VAPOR PRESSURE:** No data available.

**VAPOR DENSITY:** No data available

**SOLUBILITY IN WATER:** Negligible.

**SPECIFIC GRAVITY:** No data available.

**PERCENT VOLATILITY:** No data available.

**pH:** No information available

**VISCOSITY:** No information available.

**EVAPORATION RATE:** No information available.

## 10. STABILITY AND REACTIVITY:

**STABILITY:** Stable under recommended storage conditions.

**INCOMPATIBILITY:** Strong acids. Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon oxides.

**HAZARDOUS POLYMERIZATION:** Not known to occur.

## 11. TOXICOLOGICAL INFORMATION:

### ACUTE TOXICITY



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Product Information: May be harmful by inhalation, ingestion, or skin absorption.

Irritation: May cause irritation.

LD50 Oral VALUE (mg/kg) >5000 mg/kg (rat) estimated  
LD50 Dermal VALUE >5000 mg/kg (rabbit) estimated  
LC50 Inhalation (DUST) VALUE >500 mg/l (dust) estimated

## Atrazine

LD50 Oral: 672 mg/kg (Rat)  
LD50 Dermal: 7500 mg/kg (Rabbit)  
2000 mg/kg (Rat)  
LC50 Inhalation: 5200 mg/m<sup>3</sup> (Rat) 4 h  
5.1 mg/L (Rat) h

## Urea

LD50 Oral: 8471 mg/kg (Rat)

## Diammonium phosphate

LD50 Oral: 6500 mg/kg (Rat)  
LD50 Dermal: 7950 mg/kg (Rabbit)

## Potassium Chloride

LD50 Oral: 2600 mg/kg (Rat)

## Chronic Toxicity

**EC500Sensitization** Repeated or prolonged contact may cause allergic reactions in very susceptible persons.

**Target Organ Effects** Eyes, Respiratory system, Skin.

**Endocrine Disruptor Information** Atrazine is a suspected endocrine disruptor.

## Atrazine

**EU – Endocrine Disrupters Candidate List:** Group I Chemical

**EU – Endocrine Disruptors – Evaluated Substances:** High Exposure Concern

**Japan – Endocrine Disruptors Information:** Pesticide

## 12. ECOLOGICAL INFORMATION:

### Ecotoxicity

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## Urea

**Toxicity to Fish** LC50>3810 mg/L *Leuciscus idus* 96 h

**Toxicity to Microorganisms** EC50=23914 mg/L 5 min

**Daphnia Magna** (Water Flea) EC50>10000 mg/L 24 h

## Diammonium phosphate

**Toxicity to Fish** LC50=26.5 mg/L  
*Oncorhynchus mykiss* 96 h  
LC50=3.3 mg/L *Pimephales*  
*Promelas* 96 h

## Atrazine

**Toxicity to Algae** EC50 = 0.43 mg/L 72 h  
EC50 = 0.13 mg/L 96 h

**Toxicity to Fish** LC50 4.5 – 11 mg/L  
*Oncorhynchus mykiss* 96 h  
LC50 = 16.0 mg/L *Lepomis*  
*Macrochirus* 96 h  
LC50 = 19 mg/L *Cyprinus*  
*carpio* 96 h

## Toxicity to Microorganisms

EC50>86 mg/L 5 min

## Daphnia Magna

 (Water Flea)

EC50 = 6.9 mg/L 48 h

## Urea

**Log Pow** = -1.59 25 A°C

## Atrazine

**Log Pow** =2.59 20 A°C OECD Guideline 107

## 13. DISPOSAL CONSIDERATIONS:

### WASTE DISPOSAL METHOD:

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated Packaging:** Dispose of in accordance with local requirements.

**California Hazardous Waste Codes:** 232

## 14. TRANSPORT INFORMATION:

**U.S. DEPARTMENT OF TRANSPORTATION (DOT) INFORMATION:**

**REPORTABLE QUANTITY (RQ):** None



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**U.S. SURFACE FREIGHT CLASS:** Fertilizing compound mixed with insecticide.

**MARINE POLLUTANT:** Yes. Harmful to aquatic organisms. (Atrazine)

**SPECIAL SHIPPING NOTES:** This material is not subject to the hazardous materials or dangerous goods regulations as specified in 49 CFR Parts 100-180, IMDG Code or ICAO.

## 15. REGULATORY INFORMATION:

### International Inventories

TSCA	Complies
DSL	Does not comply.
EINECS/ELINCS	Complies.
IECSC	Complies.
KECL	Complies.
PICCS	Complies.
AICS	Complies.

### U.S. Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### **Atrazine**

<b>CAS No.</b>	1912-24-9
<b>Weight %</b>	0.1 - 1
<b>SARA 313 – Threshold Values %</b>	1.0

#### **DIAMMONIUM PHOSPHATE**

<b>CAS No.</b>	7783-28-0
<b>Weight %</b>	5 - 10
<b>SARA 313 – Threshold Values %</b>	1.0

#### **SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

#### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

### U.S. State Regulations

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-To-Know Regulations

#### **ATRAZINE**

Massachusetts  
New Jersey  
Pennsylvania  
Rhode Island

#### **UREA**

New Jersey

#### **CALCIUM CARBONATE**

Massachusetts  
Pennsylvania  
Rhode Island

### International Regulations

**Mexico – Grade**                      Slight risk, Grade 1

#### **ATRAZINE – Exposure Limits**

**Mexico :** TWA = 10 mg/m<sup>3</sup>  
**Mexico:** TWA = 10 mg/m<sup>3</sup>  
**Mexico:** STEL = 20 mg/m<sup>3</sup>

#### **Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.



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## 16. OTHER INFORMATION:

**SDS STATUS:** New

**Revision Date:** \_\_\_\_\_

*Bonus Crop Fertilizer, Inc. urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the Buyer's/User's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the Buyer's/User's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such manufacturer-specific (M)SDS, we are not and cannot be responsible for (M)SDS obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.*

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