

# Catalyst ADV™ 1-0-1

## GUARANTEED ANALYSIS

Total Nitrogen (N) .....	1.0%
1.0% Urea Nitrogen	
Soluble Potash (K <sub>2</sub> O) .....	1.0%
Boron (B) .....	0.1%
Cobalt (Co) .....	0.02%
0.02% Chelated Cobalt	
Manganese (Mn) .....	0.3%
0.3% Water Soluble Manganese	
Molybdenum (Mo) .....	0.04%
Zinc (Zn) .....	0.3%
0.3% Water Soluble Zinc (Zn)	

## Derived From:

Urea, Potassium Nitrate, Boric Acid, Cobalt MEA, Manganese Sulfate, Sodium Molybdate, Zinc Sulfate, Kelp Extract (Ascophyllum nodosum and Potassium Hydroxide\*) \* Potassium Hydroxide as an extraction agent

## KEEP OUT OF REACH OF CHILDREN



## WARNING

**BORON WARNING:** the use of the fertilizing material on any crops other than those recommended may result in serious injury to the crop(s)

**MOLYBDENUM WARNING:** the application of fertilizing materials containing molybdenum (Mo) may result in forage crops containing levels of molybdenum (Mo) which are toxic to ruminant animals

## HAZARD AND PRECAUTIONARY STATEMENTS:

Causes serious eye irritation. This product should be kept out of reach of animals. Do not eat.

## ENVIRONMENTAL PRECAUTIONS:

Do not contaminate water when cleaning equipment or disposing of equipment wash waters.

## PERSONAL PROTECTIVE EQUIPMENT (PPE):

Use standard protective clothing and equipment including gloves, and eye and face protection. Consult the SDS for further information.

## FIRST AID:

**If Swallowed:** Call a poison control center or doctor immediately for treatment advice. Have the 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.

**If On Skin:** Take off contaminated clothing and wash it before reuse. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by 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 HAZARDOUS MATERIALS OR DANGEROUS GOODS INCIDENTS ONLY (SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT), CALL CHEMTREC AT 1-800-424-9300.**

## GENERAL INFORMATION:

**Functions:** Improves native beneficial microbial activity and nutrient availability; optimizes plant nutrient conditions to support germination, rooting & plant growth; improves soil quality and crop residue breakdown.

**Catalyst ADV** is a diverse, proprietary energy source of biomolecules such as carbohydrates, sugars, organic acids, amino acids, signaling molecules, and beneficial enzymes that enhance the native beneficial microbiome to optimize soil performance. Most soils contain N-fixers, solubilizers, protozoa, fungi, and many other beneficial organisms. **Catalyst ADV** helps them to put them to work and by doing so will help to improve both short and long term soil vigor and nutrient availability to maximize the plant-soil exchange.

## DIRECTIONS FOR USE:

Read all label directions carefully before using this product. This product is intended for use for all crops.

**Catalyst ADV** can be applied using standard ground or aerial application equipment. Do not apply undiluted.

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## MIXING & COMPATIBILITY:

### Soil Application Only

Pre-Plant	Best Performance	Herbicide	Compatible
In Furrow	Best Performance	Fungicide	Compatible
Pre-Emerge	Best Performance	Insecticide	Compatible
Early Vegetative	Good Performance	PGR	Compatible
Late Vegetative	Not Recommended	Liquid Fertilizer	Compatible
Early Reproductive	Not Recommended	Other Nutritional	Compatible
Late Reproductive	Not Recommended		
Post-Harvest	Good Performance		

**Catalyst ADV is compatible in solution with most common tank mixes. Not every combination has been tested and some mixes may be incompatible. JAR TEST RECOMMENDED prior to use.**

## SHAKE WELL BEFORE USING

### USE RATES:

Soil Applied – Intended for standalone use or in a tank mix to improve long term soil quality and nutrient availability.

Inhabit Boost 6-2-0 can be added at a rate of 16 - 32 fl oz. (475 - 950 ml) per acre, which is a highly compatible alternative to other organic matter products to further increase nutrient uptake.

### Catalyst ADV Per Acre Use Rates

#### In Furrow/Banded/Sidedress/Broadcast

Good Performance	16 fl oz. (473 ml)
Best Performance	32 oz. (950 ml)

## MIXING INSTRUCTIONS:

Always start with application equipment that has been thoroughly cleaned. Fill the tank with at least 50% of the final carrier volume unless otherwise stated on the specific product label. While the carrier is agitating, add tank mix ingredients in the following order:

1. Antifoam and / or compatibility agent
2. Dry formulations (WP, DF, WDG, SG, SP) and ammonium sulfate
3. Flowable formulations (F & FL), liquid concentrates or suspensions (LC, ME, SC, CS)

4. Emulsifiable concentrates (E or EC)
5. Add **Catalyst ADV** and other soluble liquids (S or SL)
6. Surfactants, water conditioners and other adjuvants
7. Finish filling and continue agitation

## STORAGE AND DISPOSAL:

**Storage:** Store at temperatures below 120 °F (49 °C). Do not store in direct sunlight. Prevent from freezing. Do not store diluted product. Stable under recommended storage conditions. Avoid vapor formation and use in well ventilated area. Do not breathe in vapors from combustion of material.

**Disposal:** Do not reuse empty container. Triple rinse (or equivalent) during mixing and loading. Decontaminated containers and materials must be disposed of in a manner allowed by local, state and federal laws and regulations. Recycling decontaminated containers is the best option of container disposal. Visit [www.acrecycle.org](http://www.acrecycle.org) for the recycling program nearest you.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.html>

## CONDITIONS OF SALE:

Generic Crop Science, LLC and its affiliates, respective officers, directors, employees, agents, successors, (collectively, "GCS") warrants only that this product conforms to the product description on the label. Other than the foregoing Limited Warranty, this product is sold on an 'as-is' basis. GCS disclaims to the fullest extent permitted by law, all other warranties of any kind, either express or implied, including, but not limited to: the implied warranty of merchantability, the implied warranty of fitness for a particular purpose, non-infringement, that the use of this product will cause or result in any particular outcome, the suitability of this product to control any specific agricultural pest or disease, or the product compatibility with other products or permitted tank mixes. If GCS breaches any of its warranties in relation to this product, buyer's and user's exclusive remedy for such breach is limited to GCS repairing or resupplying (at GCS's election) the relevant or comparable products in compliance with such warranty. To the fullest extent permitted by law, under no circumstances and under no legal theory (including, without limitation, tort, contract, strict liability, or otherwise) shall GCS be liable to user or buyer for (A) any direct, special, incidental, consequential, punitive or exemplary or indirect damages of any kind, including damages for lost profits, lost revenue, unrealized savings, crop loss, loss of yield, loss of goodwill, business interruption damages, work stoppage, or (B) any amount, in the aggregate, in excess of the amount actually

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paid for this product, exclusive of taxes, shipping & handling, and any other applicable fees, or (C) any other matter. GCS further disclaims any liability for compensatory or other damages arising out of any use contrary to the label direction. Some jurisdictions do not allow the exclusion or limitation of certain damages or limitations on how long an implied warranty last, so only portions of the above limitation and exclusions may apply to user or buyer if so restricted by law.

Net weight: 2505 lbs (1135 kg)

Net Contents: 275 gal (1041 L)

Density: 9.1 lbs/gal @ 68 °F (1.1 kg/L @ 20 °C)