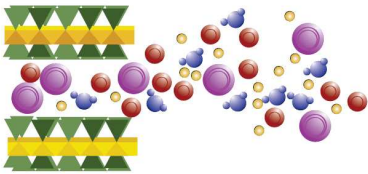


Made with YUNITE Hydro Mineral Delivery Technology™

# BIOGAR

 **YUNITE** Hydro Mineral Delivery Technology™



Made with Clay Mineral Suspension Technology™

The ingredients contained in AGRICLAY A6 allow it to be used in conventional, sustainable and organic potato production. The European Montmorillonite clay used in the AGRICLAY A6 is a phyllosilicate rich in minerals and trace minerals. It is known to have a high adsorption property and may adsorb dissolved and suspended substances, such as toxins and bacteria. Clay minerals have also a high cation exchange capacity.

**BEFORE**



**AFTER  
Using Agriclay**



## Disease management - mode of action

Research and scientific literature have now started to explain the mode of action of clay suspensions. The adsorption of the bacteria and its removal from the surrounding environment may explain the results observed. Alternatively, the immobilization of the bacteria on the surface of clay minerals may alter certain cell-wall activities of the pathogens thus limiting its negative effect. These cell-wall activities may have a multiple impact: physically blocking regions of the bacterial surface, reducing its ion bonding capacity, interacting with some membrane proteins, chelating some essential microbial nutrients and dissipating the proton motive force.

## Yield improvement

Clay minerals are "chemical sponges" which hold water and plant nutrients weathered from other minerals. Nutrients may be made available for the plants in a unique fashion due to the high cation exchange capacity of the clay suspensions and their content of plant micro-nutrients. Recent trials have demonstrated that the clay suspensions contained in AGRICLAY A6 may have a positive impact on the crop health and yield.

**\*Please visit our website for the results of our Grower trials and to purchase our products. Distributor inquiries are welcome.**

[www.arclay.com](http://www.arclay.com)

**1-877-5-POTATO (576-8286)**  
[info@arclay.com](mailto:info@arclay.com)

PO Box 298, Saratoga Springs NY 12866  
T 518-490-1226 F 866-552-5303

## PREFERRED METHOD OF APPLICATION

**Shake well before use. Do not allow to freeze.**

### Application rates

Agriclay BIOGAR can be applied foliar depending on the type of crop:

60 – 90 day crop:

- 10 oz per acre per application
- Number of applications recommended: 2 to 3

90 + day crop:

- 16 oz per acre per application
- Number of applications recommended: 2

## MINERAL CONTENT :

Montmorillonite clay suspension : 100%

Holds in a liquid form the following minerals and trace minerals :

Silica	12.65%
Aluminium	3.53%
Magnesium	0.56%
Calcium	2.30%
Iron	1.20%
Titanium	0.18%
Phosphate	0.02%
Sodium	0.05%
Potassium	1.01%
Copper	7 ppm
Zinc	24 ppm
Selenium	0.04 ppm
Cobalt	5 ppm
Manganese	0.112 ppm
Molybdenum	0.33 ppm

**DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product 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.

### NOTES:

- AGRICLAY A6 product should be applied alone with at least 10 to 15 gallons of water per acre. Any combination of products to be applied with AGRICLAY BIOGAR should be tested for compatibility prior to use.
- Mixing AGRICLAY BIOGAR with certain surfactants, foliar fertilizers, or other pesticides may cause crop injury. Crop

sensitivity to a particular combination should be determined by spraying a small area of foliage and fruit. Evaluate 3 to 7 days later for adverse effects.

- To assure the compatibility of AGRICLAY BIOGAR with these and other products, mix the AGRICLAY BIOGAR and other spray products into a small container with the appropriate amount of water. After thorough mixing, let stand for 5 minutes. If the combination remains mixed, or can be re-mixed readily, the mixture is compatible

## GUARANTEED ANALYSIS:

Montmorillonite Clay Suspension 100%

**CONDITIONS OF SALE:** 1. Seller warrants that this product consists of the ingredients specified and is reasonable fit for the purpose stated on this label when used in accordance with directions under normal conditions of use. No one, other than the officer of Seller, is authorized to make any warranty, guarantee or direction concerning this product. 2. Because the time, place, rate of application and other conditions of use are beyond Sellers control, Sellers liability from handling, storage and use of this product is limited to replacement of product.

## PRODUCT INFORMATION :

### AGRICLAY BIOGAR

Item#	Quantity per unit	Unit per case
AGY-BIOGAR-128	1 Gallon (3.8L)	2
AGY-BIOGAR-5G	5 Gallons (18.9L)	1

Larger container sizes available upon request

### Storage and Disposal

Store in a cool dry area away from direct sunlight. Keep container closed when not in use. Do not allow to freeze.

**Keep out of reach of children.**

\*It is the recommendation of Arclay LLC that the product be used in a preventative (prophylactic) manner and the results obtained from corrective applications will not be as effective as the preventative or prophylactic application