



Kills Sprouts Dead!

Biox[®] -COMBO
LIQUID CIPC/CLOVE OIL SPROUT INHIBITOR

The Greener Solution
The Most Effective Combination
for Sprout Control by Thermofogging



Biox™ - COMBO

Next Generation of Superior Potato Sprout Suppressant

Features & Benefits of Biox®-COMBO

Biox®-COMBO is the latest **GREEN¹** (earth friendly, reduced use and generation of hazardous substances) addition to the Biox® line of products to control potato sprouting.

- Ready to use liquid formulation of CIPC for easier application by thermofogging - using less CIPC for a greener solution
- Synergistic effect of 2 modes of action: sprout killing power of clove oil (Eugenol) in combination with the growth inhibiting effect of CIPC
- Superior short, mid and long-term potato sprout control with a combination of 2 proven effective active ingredients: CIPC & Clove oil
- Can be reapplied solely or combined with Biox® - C for a long-term sprout control program
- Used by Certified Applicators implementing the latest, state of the art, thermofogging techniques, for improved distribution in the pile and maximized efficacy.



CIPC5ppm/BIOX™ combination treated Russets

Trials Conclude - Effective Combination

Studies were conducted collaboratively between the University of Idaho Kimberly Research and Extension Center and the Twin Fall Research and Extension Center in years 2006-2007 and 2007-2008. 'Russet Burbank' were produced for the 2007-2008 study to evaluate treatments of CIPC, Biox™ and their combinations. All potato treatments were done by 11/26/07.

The sprout rating for the CIPC treated and CIPC/Biox-C treated tubers were significantly different from the untreated tubers at every evaluation date. All treatments significantly reduced sprout weight when compared to the untreated control. Combination of CIPC and Biox-C at 5ppm showed a consistent trend to lower sprout growth over time, and was statistically different for a couple of evaluation dates. (Fig.1)

Sprout Length Rating* with Treatments Over Time

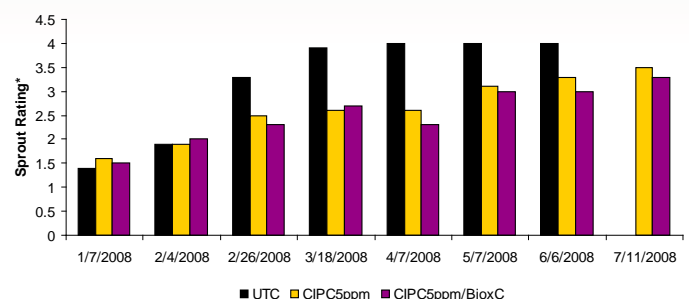


Fig. 1 'Russet Burbank' Study conducted collaboratively between - Nora Olsen, Twin Falls R&E Center & Mary Jo Fraiser, Kimberly R&E Center, 2007-2008.

* 1 = no sprouting, 2 = peeping, 3 = pointed sprouts less than 5.0 mm in length, and 4 = sprouts are 5.0 mm or longer.

Weight Loss after 250 Days of Storage

The untreated control and Biox-C treated tubers showed a higher total weight loss (Fig. 2) compared to the CIPC and CIPC/Biox-C treated tubers 250 days after harvest.



Photos from Study of Efficacy of BIOX/CIPC Combo product, Nora Olsen (Twin Falls R&E Center), Mary Jo Frazer (Kimberly R&E Center), 2007-2008.



**Percent (%) Weight Loss
at 250 days after harvest (6/2/2008)**

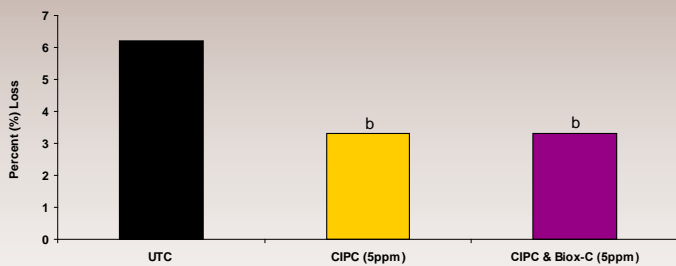


Fig. 2 'Russet Burbank' Study conducted collaboratively between - Nora Olsen, Twin Falls R&E Center & Mary Jo Fraiser, Kimberly R&E Center, 2007-2008.

Residue Deposition

CIPC residue analysis from the Idaho State Quality Assurance Laboratory showed significant higher residue in the CIPC/Biox-C (22 ppm) combination treatment compared to CIPC (22 ppm) alone for the first two sampling dates and when combining all sampling dates. This may indicate higher deposition of CIPC or slower volatilization when CIPC is combined with Biox-C versus CIPC alone.

**CIPC Residue (ppm) Analysis
Idaho State Quality Assurance Laboratory**

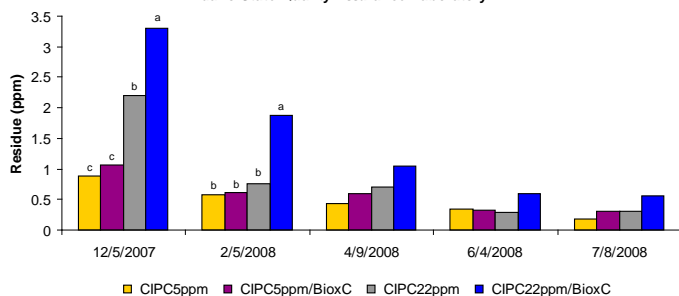


Fig. 3 'Russet Burbank' Study conducted collaboratively between - Nora Olsen, Twin Falls R&E Center & Mary Jo Fraiser, Kimberly R&E Center, 2007-2008.

A GREENR Application! Electrofogger System & Services

Thermofogging with Pace's electrofogger is a Safe, Clean and Sustainable technology that proves to be Greener and more effective than combustion foggers. Thermofogging maximizes the application of sprout inhibiting products such as Biox®-COMBO as it is directly aerosoled into potato storage facilities to suppress sprouts from growing while in long-term storage conditions. This Greener technology decreases discharge of harmful by-products into the environment that requires expensive waste disposal programs.

Biox®-COMBO is applied by certified applicators (see list of preferred applicators and authorized distributors) who provide application services on-site with the use of a mobile thermofogging unit.



Biox® Thermofogging System and Services is a mobile application unit with self-contained power.



Two Biox® Thermofogging Systems at work.



Pace International Brings Innovative Sprout Suppressant Solutions to Keep Potatoes Fresh, Firm and Delicious with Unsurpassed Service and Quality

Pace introduces **Biox™-COMBO** to you as a premium potato sprouting inhibitor to keep your produce beautiful and marketable. With this new and innovative technology is the Pace promise of quality service unlike any other - through our authorized dealerships and experienced applicators around the world.


Highly trained, experienced and certified applicators will ensure a successful thermofogging application of Biox™ products. Authorized Biox™-COMBO distributors and applicators are committed to working hard to maximize the efficiency of your potato packing operation and the solutions being used.

Contact your authorized dealership and/or applicator today for more information about how Biox™-COMBO can kill sprouts dead!



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Biox™-C is protected by U.S. Patent No. 6,723,364 and is a registered trademark of Pace International, LLC
Biox™-COMBO product has a U.S. patent pending.