BALD

IS

BEAUTIFUL

98% pure 3-decen-2-one active ingredient

Use up to 4.2 fl oz per ton of potatoes

No need to apply until 75% of tubers show first signs of sprouting

Up to 7 months sprout control

effectively controls sprouts even up to 1 inch

THE BREAKTHROUGH SPROUT INHIBITOR FROM AMVAC.

SmartBlock (3-decen-2-one) is a unique, patented and novel potato sprout control product, chemically described as an alpha-beta unsaturated aliphatic ketone. 3-decen-2-one has been approved by the U.S. Food and Drug Administration (FDA) as a direct food additive (21CFR 172.515) to enhance and create new flavorings in many beverages and baked goods. The Flavorings and Extract Manufacturers Association (FEMA) has designated 3-decen-2-one as Generally Regarded As Safe (GRAS). It also occurs naturally in yogurt, fish (tuna), soy, ham and many other foods and spices. In 2013, U.S. and Canadian regulatory authorities approved SmartBlock exclusively for post-harvest potato sprout control.

UNIQUE, PATENTED AND NOVEL SPROUT CONTROL SOLUTION

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Always read and follow label directions. www.amvac-chemical.com. AV-2016-SMARTBLOCK100WS.
**ADVANTAGES OF SMARTBLOCK**

**Effective:** SmartBlock is a fast-acting and highly effective product which has been tested globally on many potato varieties and has shown a consistent increase in sprout control.*

**Flexible:** SmartBlock can be used to combat both low rates of OPC (optimal potato control) in stand-alone treatments or with SmartBlock plus CIPC or a low-rate CIPC plus SmartBlock combination program. Mixing SmartBlock with CIPC can provide the double benefit of burning off any residual OPC sprouts and restoring dormancy to the tubers early in the storage cycle.

**Long Residual Activity:** After sprouts have been burnt off, SmartBlock residue remains effective for two to seven months, depending on variety and storage conditions.

**Easy Movement of Vapor:** SmartBlock has a high vapor pressure and therefore moves easily through the potato-to-potato air spaces to attack developing sprouts that are normally inaccessible to other sprout control products.

**Longevity of Residual Activity:** SmartBlock residue remains effective for two to seven months, depending on variety and storage conditions.

**Rescue Treatments:** SmartBlock is the only proven product that can rescue heavily sprouted tubers or as a stand-alone treatment. In storages where CIPC has failed to control sprouting, a high vapor pressure and therefore moves easily through the potato-to-potato air spaces to attack developing sprouts that are normally inaccessible to other sprout control products.

**Improvement of Turgidity:** SmartBlock treated potatoes can be more turgid, which effectively reduces pressure in the potato pile or boxes. Unsightly CIPC residue on walls, fans and vents is minimized when combined with SmartBlock.

**Compatibility:** SmartBlock is compatible with all other sprout control agents and can be safely applied after dormancy break, allowing you to take advantage of the potato’s natural dormancy period.

**Green Chemistry:** SmartBlock is a natural, plant-based product which has been tested globally on many potato varieties and has shown to substantially reduce CIPC residues on potatoes, or as an alternative chemical. It attacks the actively growing meristematic tissue, destroys membrane integrity, selectively and destroys only the fresh sprouts on potatoes. It attacks the actively growing meristematic tissue, destroys membrane integrity, selectively and destroys only the fresh sprouts on potatoes. It attacks the actively growing meristematic tissue, destroys membrane integrity, selectively and destroys only the fresh sprouts on potatoes.

**Sprout Control on Russet Burbank Potatoes**

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