



SOIL FUMIGANT

A SOIL FUMIGANT FOR ALL CROPS



DISEASE PRESSURE? NO PROBLEM.

Lettuce growers can rely on VAPAM® HL™ to reduce the damage caused by *Fusarium* wilt, while providing a yield advantage through healthier plants and cleaner fields.

When applied at recommended rates, VAPAM HL soil fumigant controls or suppresses tough fungal diseases, as well as nematodes and germinating weeds and seeds in a variety of crops, including lettuce. When it comes to *Fusarium*, growers who use VAPAM HL can expect a reduction in the amount of damage the disease can cause.

PROVEN PERFORMANCE

Studies prove that VAPAM HL, the most widely used soil fumigant, controls or suppresses diseases, weeds and nematodes that lower crop quality, yields and profitability.

VAPAM HL is a water soluble liquid. When applied to soil, the liquid is converted into a volatile fumigant (methylisothiocyanate or MITC). After a sufficient interval of time, the fumigant degrades and dissipates, leaving the soil ready for planting.

In a 2012 Arizona study¹, VAPAM HL was applied at 75 GPA through flood irrigation to two fields. In each field, half received VAPAM HL, the other half did not.

Results:

- Significant disease control in the VAPAM-treated fields
- Yield averaged nearly 200 cartons per acre higher in the VAPAM-treated fields compared to the untreated fields
- According to the USDA Ag Market Services, the average price per carton at the time was \$9.75. After deducting the cost of the VAPAM HL application, the net gain when using VAPAM HL was approximately \$1,400 per acre

VAPAM HL can be applied in a variety of ways, including water-run applications — such as sprinklers, center pivot, lateral move and drip irrigation.

For more information on VAPAM HL and how it can benefit your program, contact your retailer, PCA or local AMVAC representative. For more information on VAPAM HL, visit the AMVAC website at www.amvac-chemical.com.

1. VAPAM Lettuce Trials, Walls Ranch, Dome Valley, AZ, 2012.





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ADVANTAGES OF VAPAM® HL™

AGRONOMIC FIT

VAPAM HL is a widely used and effective soil fumigant for controlling or suppressing nematodes, germinating weeds, seeds, certain soil insects and diseases in lettuce and a variety of other crops.

BROAD-SPECTRUM CONTROL

VAPAM HL is a fumigant and, when applied properly, controls or suppresses a wide variety of pests within the fumigation zone at time of treatment. Proper use of VAPAM HL enables lettuce producers to start the season with reduced populations of yield-robbing pests — resulting in better yields at harvest.

PROVEN SUPPORT

VAPAM HL offers unparalleled performance backed by the most knowledgeable, experienced and committed team in the industry.

CONTROLS MULTIPLE PESTS

VAPAM HL controls and/or suppress:

NEMATODES

Free-living (ectoparasitic or generally found outside of the plant) nematodes are most vulnerable to the effects of MITC. Endoparasitic (found within the plant tissue) nematodes are protected by plant tissue and crop debris, and are much more difficult to control. Additionally, migratory stages of both ecto- and endoparasitic nematodes may burrow deep in the soil where the fumigant doesn't reach.

DISEASES

VAPAM HL controls and or suppresses a variety of tough to manage diseases.

WEEDS

Weed seeds must be respiring and in contact with a lethal concentration of VAPAM HL in order to be controlled. Actively growing weeds must have contact with VAPAM HL at the foliage or roots for control.

Consult your AMVAC representative to determine the best approach for your field. Please consult the full label for crop- and pest-specific recommendations and follow all label recommendations.