

# SET YOUR POTATOES UP FOR SUCCESS WITH VAPAM® HL™ SOIL FUMIGANT

Vapam® HL™ metam sodium soil fumigant offers effective suppression of soil pathogens, pests and competitive weeds to protect potato plants in the early stages of growth and nurture an extensive, healthy root system. Proper application of Vapam HL provides a best-in-class return on investment for growers and can boost overall potato quality and yield potential.

## Benefits of Fumigation

Fumigation can be an effective and economical management practice for growers to help protect their high-value crop systems, and with soilborne pathogen pressures increasing, many growers are opting to fumigate before every potato crop.<sup>1</sup>

**97%**

In a trial comparing the efficacy of various crop protection strategies, fumigation reduced *Pythium spp* by 97%.<sup>2</sup>

## Benefits of Vapam® HL™

- **Strong Soil Foundation:** supports a productive growing environment from the start
- **Flexibility:** can be used in any soil type and is compatible with multiple application methods
- **Pest Protection:** reliable solution for dealing with a host of plant and soil pests
- **ROI:** improved yield and quality

## Control Targeted Pests, Weeds & Diseases

Vapam HL offers proven pest management when there's susceptibility of the pest and accuracy of application within treatment zones.

**Nematodes** – susceptible to management by Vapam HL but vary greatly in soil depth due to mobility.

**Diseases** – susceptible to Vapam HL, diseases can be found in the top 4 inches of soil and in the root zone.

- Oak Root Fungus
- *Pythium*
- *Phytophthora*
- *Rhizoctonia*
- *Sclerotinia*
- *Verticillium*

**Weeds** – management is achieved only while respiration (plant gas exchange to support growth) is occurring, but soil location is consistently in the top few inches.

<sup>1</sup> Knuteson et al., (2020). Fumigation use in potato production systems. Enhancing Soil Health in U.S. Potato Production Systems. USDA-NIFA.

<sup>2</sup> H.P. Collins et al. (2006) Soil microbial, fungal, and nematode responses to soil fumigation and cover crops under potato production. *Biology and Fertility of Soils*. 42:247-257.

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**Vapam HL Soil Fumigant**  
IRAC Group 8F