

penergetic b WV-proactive

Best Use Application Rate Recommendations

Before applying to any crop, make sure product is thoroughly mixed in water before adding to sprayer. Place sprayer on medium to high agitation.

Once product is in sprayer, apply the entire load.

Recommended amount of water is 15-20 gallons per acre.

Add small amounts into a bucket of water while stirring (paint stirrer in a cordless drill works well) until product is thoroughly mixed before adding to sprayer.

DO NOT PUT DRY PRODUCT IN CHEMICAL INDUCTER

Product can be mixed with any other crop products.

Jar testing is recommended when mixing any other products

DEER – BROADCAST APPLICATION

Pressure Type	Recommended Application Rate
LIGHT	8.4 oz per acre
MODERATE	10.0 oz per acre
HEAVY	12.0 oz per acre
EXTREME	16.8 oz per acre

A double rate is recommended on perimeter for all rates.

For deer, the perimeter application does not hold because of their feeding habits.

HOG – PERIMETER APPLICATION

150 to 200 foot perimeter application.

Pressure Type	Recommended Application Rate
HEAVY	16.8 oz per acre
EXTREME	20.0 oz per acre

Mixing instructions are the same as above. Reapply as necessary.

These recommendations will work for most crops.

For specialty crop recommendations (ie. produce & vegetables), please consult with your representative.

All recommendations listed above are based upon current test results and may be adjusted in the future based upon the results in our current testing program.

Number of Deer for Different Levels of Intensity (based on a 30 acre field)

INTENSITY	# OF DEER	RATE *
LIGHT	Less than 20	8.4 oz./acre
MEDIUM	20 – 30	10.0 oz./acre
HEAVY	30 – 35	12.0 oz./acre
EXTREME	Greater than 35	16.8 oz./acre

* Based on tilled or recently burned down field.

If applying into a green field (before burndown) where deer are already present, use a rate of 14 – 16.8 oz./acre to break the feeding habit.

MIXING & HANDLING INSTRUCTIONS FOR *penergetic b WV - proactive* (Wildlife Deterrent)

***Consult with your local sales rep prior to using this product to discuss your site-specific application needs, gallons of water per acre required, as well as any other mixing and handling recommendations. See contact info below.

Precautions to Use

In mixing and handling penergetic b WV - proactive always use clean water. It is a further requirement that the spray tank, nozzles, screens, filters and lines have been thoroughly cleaned following the last use and prior to using this product in your sprayer.

- Spray tips need to be #5 or larger
- Jar testing is recommended for all tank mixes

* It is recommended to consult with your chemical representative before tank mixing with any other product.

Premixing

The best recommendation is to pre-mix the amount needed into a clean container/bucket of water. **Two to three (2-3) gallons of water per ½ pail of penergetic b WV - proactive, stir vigorously and then add to an agitating sprayer.** Repeat this process if a full pail is being used. Some farms set wettable powder on the basket screen (or sieve) that protects the spray tank opening, and using a hose, will wash the wettable powder through the basket screen and into the agitating tank.

If pre-mixing with a chem-handler type unit, add appropriate amount of product slowly into the agitating unit and then add to the agitating main sprayer.

Screen Size

30 mesh screens or larger should be used with this product to minimize the chance of plugging issues.

Removal of downstream nozzle screens and/or spray tip screens is also an option assuming the spray tank is clean of dirt and unwanted debris.

Particle Size

Zeolite, the principle ingredient in penergetic b WV - proactive, is classified as a wettable powder.

Wettable powders (and therefore Zeolite) are tank mixed first. W.A.L.E.S. and other spray tank mixing order acronyms (where W = wettable powders and A = agitate) attest to this.

It is important to mix the product in slowly and allow some time (say 5.0 minutes) between one product appearing to be fully mixed in and any other product also being tank mixed in. Be sure to read and follow the mixing and application instructions respecting any other product you may be mixing into the same tank as penergetic b WV - proactive and only mix and use it properly.

Agitation

Agitation is a key aspect of the successful operation of any sprayer, and tank agitation is especially important in the case of wettable powders. Agitation is required to mix the wettable powder into the water causing it to become miniscule suspended particles. Constant agitation also works to keep these particles in suspension.

Once the spray tank is 1/3 filled with water (and before any product is added to the tank) the tank agitation must be turned on and be functioning properly. It is important to check to ensure the agitation is calibrated correctly and not creating too vigorous an action on the surface of the water in the spray tank. Too much agitation can be just as problematic as not enough as it can lead to foaming, which can impair the mixing process of the wettable powder into the water. Check the sprayer manual for proper agitation settings and operation.

** In order to keep the product suspended the agitator should be left on at all times while the sprayer is being used with this product.

Shutdown and Cleanup

Once the field spraying operation is completed and before the sprayer is put away it is important that the sprayer is completely rinsed out, boom lines and nozzles flushed out & screens inspected and cleaned.

Furthermore, if for any reason the spraying operation is suspended for any length of time, then re-agitate spray solution for a minimum of 5-10 minutes on medium to high agitation before resuming spraying operation. Always consult your sprayers owner's manual for any additional shut down and cleaning procedures.