

# penergetic<sup>®</sup>

the natural biotechnology

**For Plants  
- lower input costs**

# penergetic<sup>®</sup> p

- use small quantity per acre
- available in different formats
- easy to apply and environmentally safe
- by seed dressing, foliar spray, drip lines
- suitable for full range of crops



Penergetic products are from Switzerland and may be used to support sustainable approaches to agriculture. Penergetic p (for plants) has been used successfully in Europe, South America and Asia for over twenty years and has been available for use in North America for the past five years.

Penergetic p (for plants) is used in very minute quantities [e.g. typically just 3.5 oz. (100 grams) per acre for most annual field crops].

## FORMAT

Penergetic p is available in a powder or liquid form.

## PRODUCT SIZE

Available in 2.2 lb (1 kg), 13.2 lb (6 kg), 3.3 fl. oz. (1 litre) and 33 fl oz (10 litre) sizes.

## APPLICATION METHOD

- by seed dressing
- combining with liquid or granular fertilizer
- foliar spray
- drip irrigation

## SEED DRESSING

Depending on the type of seed used and the seeding method, penergetic p can be mixed with seed dry or applied wet. Penergetic p ULTRA™ or extra fine bentonite may be used for dry application or mixed into a slurry for wet application. There are no known contra-indications with other seed treatment compounds.

## Examples

Cereals, corn:	2.5 oz per 100 lbs (1.5 g per kg) of seed
Canola:	2.5 oz per 100 lbs (1.5 g per kg) of seed
Soybeans/legumes	2.5 oz per 100 lbs (1.5 g per kg) of seed
Potatoes:	3.5 oz. penergetic p per seeded acre of potatoes
Vegetables (small seeds)	0.5 oz per lb (30 g per kg) of seed

## LIQUID APPLICATION

Penergetic p molasses should be mixed with water at a rate of 5.5 fl oz of penergetic p per 100 gallons (4 ml per 10 litres) of water. Penergetic p molasses is suitable for foliar application, drip irrigation and/or hydroponic use.





# FIELD APPLICATION SCHEDULE

- can be combined with other applications (e.g. fertilizer, herbicide, insecticide, etc.)
- alternatively, can be mixed with liquid manure/slurry (should be mixed in on same day spraying occurs)
- Spray application is best with penergetic p ULTRA™ as provided better particle suspension.\*

\* particle size of penergetic p ULTRA: 99% of particles <25 microns, remaining 1% < 40 microns.

\* add to spray tank by mixing with water via a chem-handler or pre-mixing using a paint mixer (refer to pre-mix and application instructions).

## EXAMPLES:



### Corn

Total quantity applied 3.5 oz. (100 grams) per acre  
Application intervals - one of 3.5 oz/ac or two at 1.75oz/ac at 2 to 6 leaf stage  
- if 2 applications, ideally should be 15+ days apart



### Wheat (and other cereals)

Total quantity applied 3.5 oz. (100 grams) per acre  
Application intervals - one application of 3.5 oz during vegetative period  
- ideally, apply greater than 15 days after penergetic k



### Soybeans

Total quantity applied 3.5 oz. (100 grams) per acre  
Application intervals - 1 app 3.5 oz/ac or 2 apps of 1.75 oz/ac between V4 and R1  
- ideally, spray intervals should be >15 days apart



### Canola

Total quantity applied 3.5 oz. (100 grams) per acre  
Application intervals - 1 application at 3.5 oz/ac or 2 apps of 1.75 oz/ac), once first true leaves fully developed and after rosette formation



### Beans/Peas/Lentils

Total quantity applied 3.5 - 4.25 oz. (100 - 120 grams) per acre  
Application intervals - divide into 2 - 3 applications 20 – 60 days after planting  
- ideally, spray intervals should be at least 15 days apart



### Forage - Grasses, Alfalfa

Total quantity applied 3.5 oz. (100 g) per acre; then 1.75 to 3.5 oz. (50 to 100 g) per acre after each cut  
Application intervals - one application per crop and/or after each cut



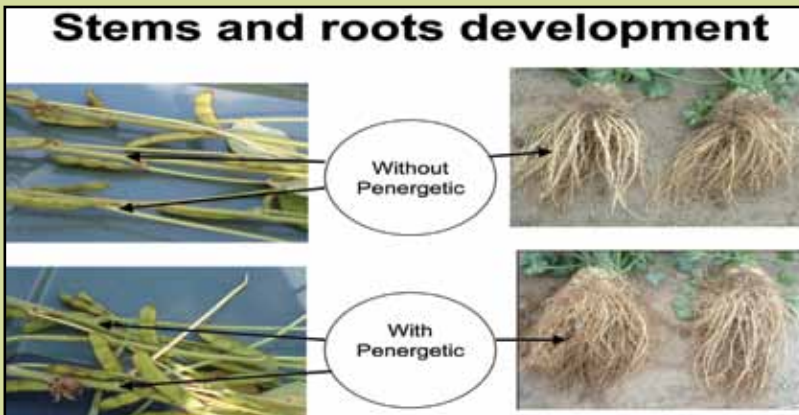
### Field Tomatoes/Potatoes/Root Vegetables

Total quantity applied +/- 10.5 oz. (300 grams) per acre  
Application intervals - multiple applications (see horticultural application sheets for more specific details).

**\*\* CONTACT PENERGETIC DISTRIBUTOR FOR ADDITIONAL APPLICATION DETAILS \*\***

**Results with penergetic p may vary from farm to farm, under different climatic and soil conditions and for different crops and from year to year.**

≈ For best results use in combination with Penergetic k ≈



Control



with Penergetic



For further information contact:

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