

Proradix – the biological plant strengthener for lupine seed treatment

The protection grows too – for stable high quality

Proradix contains the soil bacterium *Pseudomonas* sp. *Proradix* (DSMZ 13134), that populates the roots after treatment and sowing. Through various impact mechanisms the bacteria gives protection and enables **optimal water and nutrient uptake**.

At the same time, the bacteria on the root multiply and grow with the new roots and tubers. Meaning the protection continues throughout the **entire vegetation period**.

Increased yield thanks to natural effect-mechanisms

The *Pseudomonas*-Strain used in **Proradix** works as follows:

- It activates the **plant's own resistance mechanism**. (Resistance induction)
- It competes with soil-borne pathogens for root exudates and biosphere and **comes through**.
- It produces a very potent iron-chelate. (Siderophor).
- It **reinforces the root's cell wall**.

Thereby, a **healthy and differentiated root system** forms that help the plants grow consistently.

Can be applied anywhere – also in combination with chemical fungicides

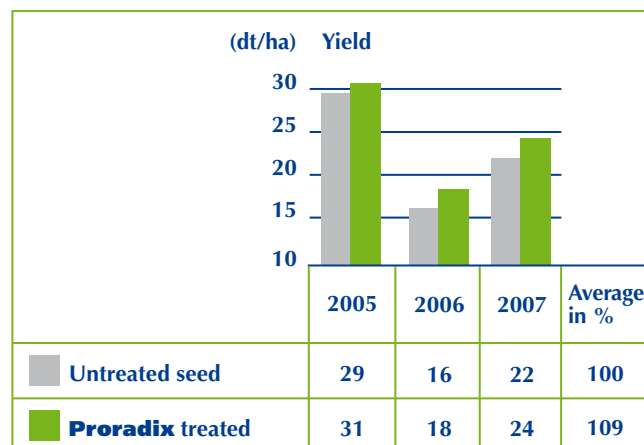
Proradix can be used in **water protection areas** without worry and is authorized for use in **organic cultivation**.

Proradix is also suitable for **integrated cultivation**, because mixing with chemical fungicides (apart from products with copper and bactericide ingredients) is also possible with no problem.

Proven quality- and yield increase

Yield (dt/ha)	
Untreated seed	37
Proradix treated	45

Praxis test on Lupines in Steinach (Bayern), 2008



Praxis test on Lupines in Bocksee (Mecklenburg-Vorpommern), 2005-2007