



*GROW STRONGER,  
NATURALLY*

 **BetaSol®**

A TRADEMARK OF AGRANA





... AT A GLANCE

- > Natural glycine betaine from sugar beet
- > Classification: Biostimulant
- > Certified for organic farming
- > From European, GMO-free sugar beets
- > Min. 97% betaine content
- > Free-flowing, crystalline product
- > Heat stable up to 200° C | 390° F
- > 100 % water soluble, 98 % bio-utilized
- > High compatibility with other treatments and active ingredients
- > Packaging: 20 kg PET bags; 800kg big bags
- > 36 months shelf life

BENEFITS

- ✓ Increased photosynthetic activity
- ✓ Osmo-regulation
- ✓ Improved abiotic stress tolerance
- ✓ Anti-oxidative effect
- ✓ Activation of plant defense mechanisms
- ✓ Improved storage and transportation of fruits
- ✓ Increased crop yields and fruit retention



BETASOL® – NATURAL GLYCINE BETAINES FOR PLANT PRODUCTION

BetaSol® is a biostimulant that helps plants cope with abiotic stress conditions and maximize yields. BetaSol® enhances plants' natural defense mechanisms, combats oxidative stress, and helps retain water within plant cells – all without negatively impacting sensitive ecosystems. BetaSol® is 100 % natural, GMO-free, and produced in Austria from European sugar beet.



BetaSol® Benefit	Heat	Drought	Salt	Contamination	Cold
Improves osmotic balance	✓	✓	✓		
Improves tolerance of CO <sub>2</sub> assimilation	✓	✓	✓		
Stabilizes membranes	✓	✓	✓	✓	✓
Activates genetic defense mechanisms	✓	✓	✓	✓	✓
Increases photosynthesis	✓	✓	✓	✓	✓
Antioxidative effect	✓	✓	✓	✓	✓
Stabilizes protein & enzyme structures	✓	✓	✓	✓	✓
Protects young tissue/reproductive organs	✓	✓	✓	✓	✓

APPLICATION AREA

BetaSol®'s high purity glycine betaine enhances crop resilience against a variety of abiotic stresses. Application is recommended for crops, horticulture and gardening.

APPLICATION METHOD

BetaSol® is easy to apply via foliar spray – it accumulates in plant cells ensuring better water and nutrient management. Within 24 hours, BetaSol® penetrates through the leaf surface and is distributed throughout the plant. Soil drench and drip irrigation applications are also possible.

APPLICATION TIMING AND DOSAGE

BetaSol® can be applied as a foliar spray once before the onset of abiotic stress, or at regular intervals. BetaSol® can be easily integrated with other fertilizers or biostimulants. For plant specific application rates and timing, please visit our website, or contact us under [betaine@agrana.com](mailto:betaine@agrana.com)



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