

CLEAN SOIL CLEAN WATER CLEAN FOOD

GROWMAS

Revolutionizing Tobacco Farming

GrowMas is a groundbreaking plant-based formula designed to enhance tobacco plant growth and boost abiotic stress responses. This innovative solution offers farmers a way to improve crop quality, increase yields, and promote sustainable farming practices. By stimulating epigenetic changes already present in plants, GrowMas provides a range of benefits that contribute to healthier, more resilient tobacco crops.

Pro-Cert
APPROVED INPUT



Case study - Virginia USA - 2024



In Virginia USA, the revolutionary impact of GrowMas on tobacco farming is evident as farmers have witnessed significant improvements in their crops. The photo captured in July 2024 showcases difference in root growth , a result of using GrowMas.



Enhancement of Roots

One of the key factors contributing to the remarkable success of GrowMas in tobacco farming is its ability to enhance the development of robust and healthy root systems.

More leaves = Improved Yield

By promoting root growth and strength, the plant-based formula ensures improved nutrient uptake, water absorption, and overall stress management in tobacco plants.

Quality Crop

This enhancement of roots ultimately translates into better crop yield and quality.

"They (ecolution.ag) have what I call a **special sauce**,

"We tried it on our tobacco this year and it showed a noticeable growth difference"

Farmer comments

Independent leave count after 3 applications

Untreated area 16 to 20 leaves per plant

GrowMas leaf count 23 to 24 every plant checked

Yield result

A Bountiful Harvest

With just 3 extra leaves per tobacco plant, imagine the incredible impact across your entire crop. For a farmer planting 4,000 plants per acre, that's an astounding **12,000 additional leaves** to boost your yield and profits!



Enhanced Leaf Quality

Deeper Green Color

GrowMas applications result in tobacco leaves with a noticeably deeper green color, indicating improved health and vitality.

Thicker and Wider Leaves

Treated plants develop thicker and wider leaves, making them more resistant to sucking pests and enhancing overall leaf quality.

Higher Yields

Farmers can expect an increase of 3 to 6 extra leaves per plant, significantly boosting overall crop yield.

Stress Resistance and Plant Health

1

Drought Resistance

GrowMas has proven effective in enhancing tobacco plants' resistance to drought, as demonstrated in Panama (2023 summer) Canada, (2022), Mexico (2023) and Italy (2022).

2

Improved Plant Vitality

Treated plants exhibit better color and more vibrant appearance, indicating improved overall health.

3

Adaptability to Changing Conditions

With just a few sprays, farmers have observed that GrowMas-treated plants are better able to manage changing environmental conditions.

Virginia, USA
Treated with GrowMas



Quality and Post-Harvest Benefits

Enhanced Leaf Quality

GrowMas treatment results in better quality leaves with improved taste and more vibrant color.

Reduced Crop Loss

Farmers experience better results in post-harvest handling, with less crop loss overall.

Higher Grade Tobacco

The improved quality of GrowMas-treated tobacco allows farmers to achieve a higher selling price for their crop.

Increased Farm Stability

GrowMas contributes to more stable and consistent farm operations, reducing variability in crop quality and yield.



Simple and Effective Application



1

Easy Protocol

GrowMas follows a simple protocol of 3 sprays per season for optimal results.

2

Consistent ROI

Regular application of GrowMas provides a consistent return on investment for farmers.

3

Compatibility

GrowMas is compatible with existing spray systems, requiring no new equipment for application.

4

Versatile Application

The product can be applied as a spray or used as a soil drench, offering flexibility in application methods.

The Science Behind GrowMas



Plant-Based Formula

GrowMas is a proprietary plant-based formula that enhances plant growth naturally.



Improved Water Uptake

GrowMas increases water uptake by stimulating the plant's vascular bundles.



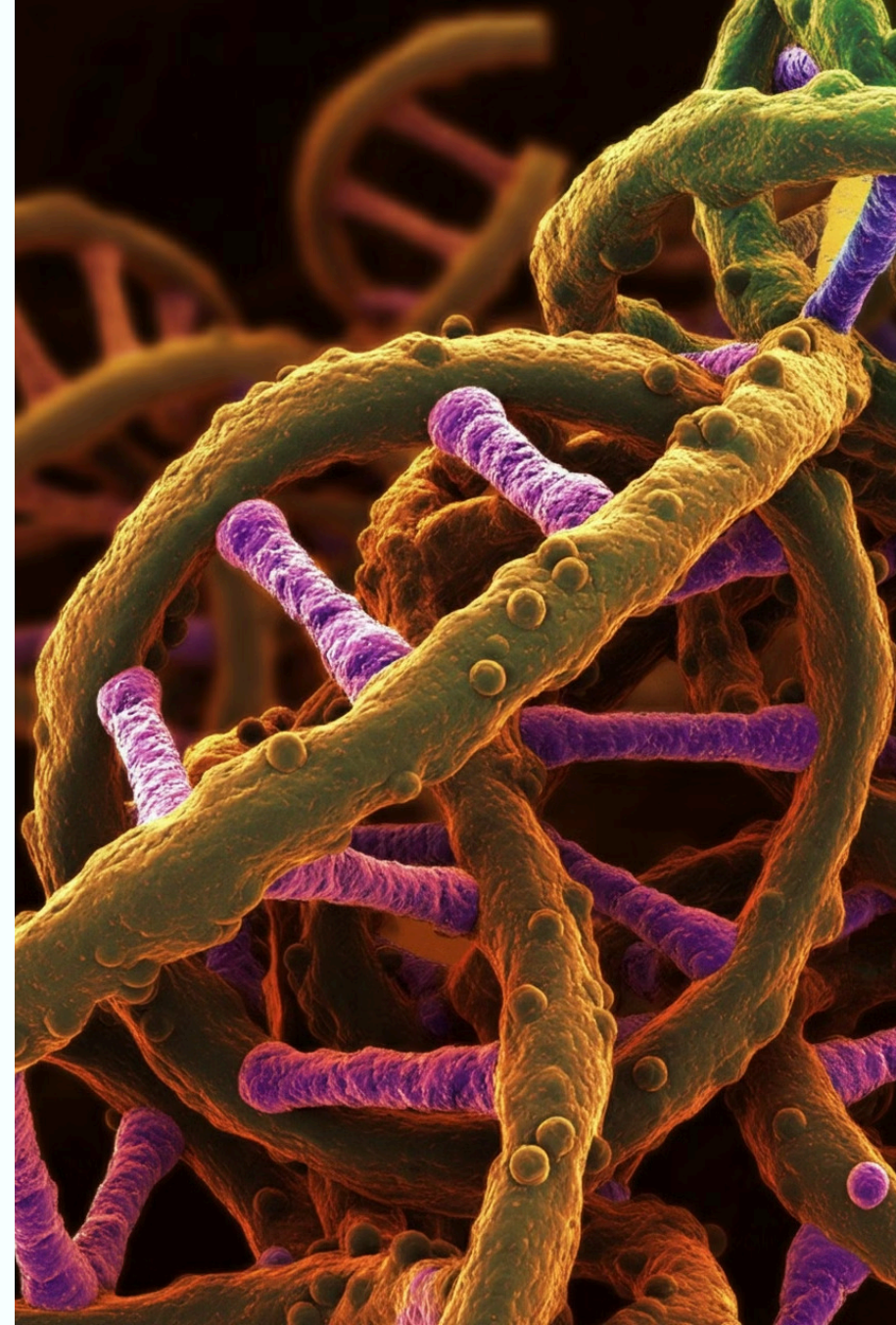
Epigenetic Stimulation

The formula stimulates beneficial epigenetic changes already present in all plants.



Enhanced Energy Conversion

Healthier, thicker leaves lead to better conversion of light to energy, promoting overall plant health.



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Benefits Across Growth Stages

Nursery Stage

Faster growth, less crop loss,
longer and denser roots, whiter
root color

Transplanting Stage

Faster recovery, less shock,
accelerated growth cycle

Stem Development

Thicker stems, better color,
improved nutrient transport

Leaf Growth

Thicker, greener leaves with more
wax, wider leaves, less spotting,
more developed leaves per plant
(ROI)



Environmental and Economic Benefits

Sustainable Farming

GrowMas promotes sustainable farm management practices, contributing to cleaner food production and reduced environmental impact.

Cost-Effective Solution

The GrowMas protocol costs less than existing protocols, offering an affordable solution for farmers while potentially reducing the need for other inputs.

Reduced Environmental Impact

With no residues left on food, soil, or water, GrowMas allows farmers to grow crops without contaminating the environment.

Farmer Adoption Factors

1

Proven Results

Farmers are excited by the visible improvements in crop quality and yield, driving adoption of GrowMas.

2

Risk Reduction

GrowMas offers lower risk for farm owners and staff compared to traditional chemical inputs.

3

Long-Term Viability

Unlike some treatments, plants do not build up resistance to GrowMas, allowing for continued application year after year.

4

Full Production Potential

GrowMas helps maintain farms at their full production potential, maximizing efficiency and output.



The Future of Tobacco Farming

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Environmental Harmony

By reducing the need for harmful chemicals, GrowMas helps create a more sustainable and environmentally friendly tobacco industry.

Opportunity to create a Premium Product with Clean Tobacco Made with Higher Standards







GrowMas-treated tobacco consistently achieves higher grades, positioning farmers to meet the growing demand for premium tobacco product.

6- Applications

Nursery stage

Foliar spray 3x applications at Nursery stage (2ml per 1 liter)

Vegetative stage

Foliar spray 3x applications at growth stage (5ml per 1 liter)

1st application 15 days after planting

2nd application 15 days after 1st spray

3rd application 15 days after 2nd spray

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