NOW INCLUDED IN ALL OF YOUR FAVORITE MIXES

sungro® HORTICULTURE

Our Expertise is Growing™

RESiLIENCE™ SiLICON ENRICHED

Effects of Silicon on Trichome Development

Nicotiana rustica

Indian Tobacco

INDIAN TOBACCO

Trichomes examined 6 weeks after transplant

Trichomes on Flowers

- Trichomes of RESiLIENCE™ plants had large, well-developed "heads" that were full with secretions (yellow-green color).
- The trichomes on plants that were grown in non-RESiLIENCE™ mixes did not have any heads.

RESiLIENCE™ SiLICON ENRICHED *mix*

STANDARD *mix*

COMPETITOR *mix*

Trichomes on Petioles

- Trichomes of RESiLIENCE™ plants had large, well-developed "heads" that were full with secretions.
- With Standard Mix, trichome heads were smaller and most were empty.
- Competitor mix trichomes did not have any heads.

RESiLIENCE™ SiLICON ENRICHED *mix*

STANDARD *mix*

COMPETITOR *mix*

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Trichomes on Leaves

- Trichomes of RESiLIENCE™ plants had large, well-developed "heads" that were full with secretions.
- Standard Mix produced fewer trichomes with heads and most were empty.
- Competitor mix trichomes were scarce and did not have any heads.

RESiLIENCE™ mix

STANDARD mix

COMPETITOR mix

Indian Tobacco - Growth Responses

On average, RESiLIENCE™ mix resulted in plants that flowered 5 days earlier and had better root growth.

LAVENDER

Trichomes examined 8 weeks after transplant

Lavandula angustifolia 'Munstead'

Lavender

Trichomes on Flowers

- Trichomes from plants grown with RESiLIENCE™ mix had full, glandular heads.
- Trichomes from non- RESiLIENCE™ mixes were smaller with few heads.

RESiLIENCE™ mix

STANDARD mix

COMPETITOR mix

LAVENDER 'MUNSTEAD'

8 weeks after transplant

- Plants grown with RESiLIENCE™ mix had more flowers and stronger stems than did the plants grown in non-RESiLIENCE™ mixes.
- RESiLIENCE™- grown plants also had better root growth – a significant difference!

STANDARD mix

RESiLIENCE™ mix

COMPETITOR mix

RESiLIENCE™ mix

Tomato Trichomes on Flowers

- Trichomes from plants grown with RESiLIENCE™ mix had well-developed, glandular heads.
- Trichomes from non- RESiLIENCE™ mixes were smaller with few heads.

Tomato Trichomes on Petioles

- Little difference in the number of trichomes among mixes.
- Trichomes from plants grown with RESiLIENCE™ mix have heads that contain secretions.

Clary Sage Trichomes on Flowers

- Trichomes from plants grown with RESiLIENCE™ mix had well-developed, and very full glandular heads.
- Non- RESiLIENCE™ mixes produced fewer trichomes with few or no full heads.

Clary Sage - Growth Responses

On average, RESiLIENCE™ mix resulted:

• Significantly better root growth • Thicker/stronger stems • Earlier flowering – up to 7 days

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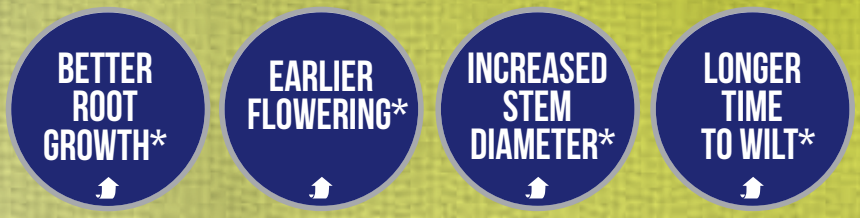
RESiLIENCE™ mixes enhance root development in seedling, cutting and finished production plants... helping to reduce the number of days to market.

For most plants, growing in **RESiLIENCE™** mixes results in **compact** plants with **thicker stems** and **better resistance to wilt**.



*Results will vary by plant type and grower practices

Plants grown with Silicon (Si) as part of the mix may have:

- Thicker, stronger stems
- Improved root mass and structure
- Increased wilt resistance, enhanced shelf life
- Dense, compact space-saving plants

RESiLIENCE™
SiLICON ENRICHED

THICKER STEMS...
IMPROVED ROOT MASS...
ENHANCED WILT RESISTANCE

Enhanced Plant Growth

with RESiLIENCE™ Enriched Growing Mixes

sungro HORTICULTURE

Our Expertise is Growing™

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RESiLIENCE™ not included in custom blends

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