ORGANIC

KULA-N^{SP}

NITROGEN-FIXING BACTERIA
MAY INCREASE SOIL FERTILITY

OMRI LISTED
For Organic Use · OMRI.org

REGISTERED cdfa ORGANIC INPUT MATERIAL

Net Weight:
3 oz / 85 g

GUARANTEED ANALYSIS – SOIL AMENDING INGREDIENT(S):

ACTIVE INGREDIENT(S):
Rhizosphere Microbe(s)
Xanthobacter autotrophicus ..... 1×10^9 CFU/g

TOTAL OTHER (INERT) INGREDIENT(S):
Dried Spent Culture Broth. 78.88%

CONTAINS BENEFICIAL SUBSTANCE(S)

Rhizosphere Microbe(s)
Xanthobacter autotrophicus ..... 1×10^9 CFU/g

Information regarding the contents and levels of metals in this product is available on the internet at **https://www.aapfco.org/metals.html**

PURPOSE OF PRODUCT: Kula-N^{SP} contains nitrogen-fixing bacteria that, when applied to the root zone, may increase soil fertility.

CAUTION: This product contains live microorganisms and may cause adverse effects to persons with a compromised immune system. Use personal protective equipment as needed.

STORAGE: Store in a cool, dry place. Keep away from moisture and humidity. Do not open until ready to use. Store in original sealed container out of direct sunlight. Keep out of reach of children and animals.

DISPOSAL: Dispose of unused product in accordance with federal, provincial/state, and local waste disposal regulations.

Guaranteed By:
Kula Bio, Inc.
6 Mercer Road
Natick, MA 01760
www.kulabio.com
800-773-9686

8 60010 24305 3

BATCH ID:
USE BY:

FL LIC # F003360

PEEL BACK
for directions

DIRECTIONS FOR USE

- Tear open the pouch and pour the entire contents into at least 2.5 gallons of clean, nonchlorinated water to rehydrate
- Stir or agitate thoroughly until fully dissolved
- Add other agrochemicals last, only after Kula-N^{SP} is fully dissolved

APPLICATION RATE

This package provides the equivalent biological activity of up to 400 lbs of nitrogen. Adjust rates according to crop needs.

Crop	Application Rate (lbs N/acre/app)	Timing
Tree Nuts	20-40	Bud Swell / Petal Fall / Early Fruit Set / Post Harvest
Tree Fruits		
Citrus	20-40	Vegetative Growth / Flowering / Fruit Set / Post Harvest
Berry and Small Fruits	4-10	Establishment, then every 2 weeks during active growth
Fruiting Vegetables	5-20	Transplant Water / Drench / In-furrow at plant, then every 3-4 weeks in season
Leafy Vegetables		
Brassicas		
Root and Tuber Crops		
Bulb Vegetables		
Row Crops	5-20	In-furrow at plant / V3-V4, V5-V6 side dress

Apply product directly to the root zone. For specific crop recommendations, consult your Kula Bio® representative. Actual coverage may vary by crop, soil, and management practice.

PRODUCT COMPATIBILITY: Always wear appropriate personal protective equipment when handling or mixing. Perform a jar test before mixing with other products. Avoid chlorinated water, strong oxidizers, or extreme pH (<4 or >8). For questions on compatibility or mixing with other agrochemicals, consult your distributor Kula Bio representative.

KULA-NEXT^{SP}

NITROGEN-FIXING BACTERIA
MAY INCREASE SOIL FERTILITY

Net Weight:
5 oz / 142 g

GUARANTEED ANALYSIS – SOIL AMENDING INGREDIENT(S):

ACTIVE INGREDIENT(S):
Rhizosphere Microbe(s)
Xanthobacter autotrophicus ..... 1×10^9 CFU/g

TOTAL OTHER (INERT) INGREDIENT(S):
Dried Spent Culture Broth. 59.02%

CONTAINS BENEFICIAL SUBSTANCE(S)

Rhizosphere Microbe(s)
Xanthobacter autotrophicus ..... 1×10^9 CFU/g

Information regarding the contents and levels of metals in this product is available on the internet at **https://www.aapfco.org/metals.html**

PURPOSE OF PRODUCT: Kula-Next^{SP} contains nitrogen-fixing bacteria that, when applied to the root zone, may increase soil fertility.

CAUTION: This product contains live microorganisms and may cause adverse effects to persons with a compromised immune system. Use personal protective equipment as needed.

STORAGE: Store in a cool, dry place. Keep away from moisture and humidity. Do not open until ready to use. Store in original sealed container out of direct sunlight. Keep out of reach of children and animals.

DISPOSAL: Dispose of unused product in accordance with federal, provincial/state, and local waste disposal regulations.

Guaranteed By:
Kula Bio, Inc.
6 Mercer Road
Natick, MA 01760
www.kulabio.com
800-773-9686

8 60010 24303 9

BATCH ID:
USE BY:

FL LIC # F003360

PEEL BACK
for directions

DIRECTIONS FOR USE

- Tear open the pouch and pour the entire contents into at least 2.5 gallons of clean, nonchlorinated water to rehydrate
- Stir or agitate thoroughly until fully dissolved
- Add other agrochemicals last, only after Kula-Next^{SP} is fully dissolved

APPLICATION RATE

This package provides the equivalent biological activity of up to 400 lbs of nitrogen. Adjust rates according to crop needs.

Crop	Application Rate (lbs N/acre/app)	Timing
Tree Nuts	20-40	Bud Swell / Petal Fall / Early Fruit Set / Post Harvest
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Brassicas		
Root and Tuber Crops		
Bulb Vegetables		
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Safety Data Sheet (SDS)
Kula-N^{SP}

SECTION 1: IDENTIFICATION

Product Name: Kula-N^{SP}
Company Information: Kula Bio, Inc.
6 Mercer Rd.
Natick, MA 01760

Contact Information: www.kulabio.com
(800) 773-9686

Emergency Phone Number: (800) 424-9300
(858) 945-3594

Effective Date: September 19, 2025

Recommended Use: A plant beneficial substance made of nitrogen-fixing bacteria that may increase soil fertility. For best results, apply via drip fertigation at regular intervals throughout the crop cycle.

SECTION 2: HAZARD IDENTIFICATION

Classification of the substance:
Not a hazardous substance or mixture.
GHS Label elements, including precautionary statements:
Not a hazardous substance or mixture.
Hazards not otherwise classified (HNOC) or not covered by GHS:
Biosafety Level 1 – Mixture contains pure-cultures of a well-characterized, non-pathogenic organism not known to consistently cause disease in immunocompetent adult humans, and present minimal potential hazard to personnel and the environment.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

The specific chemical identities and exact percentages of composition have been withheld as trade secrets.

Substance Name	CAS Number / Unique Identifier	Concentration % by Weight	Classification
Pure culture of non-pathogenic, non-genetically modified soil microorganism	Confidential	21.12%	BSL-1
Other components	Confidential	78.88%	Not hazardous

SECTION 4: FIRST AID MEASURES

If inhaled:	Move person to fresh air.
In case of skin contact:	Wash with soap and plenty of water.
In case of eye contact:	Flush with clean water, remove contact lenses and continue flushing for at least 15 minutes.
If swallowed:	Rinse mouth with water.

Most important symptoms and effect, both acute and delayed:
No data available.
Recommendations for immediate medical care and special treatment:
No data available.

SECTION 5: FIRE FIGHTING MEASURES

Suitable extinguishing media	Product is not flammable. Use fire-extinguishing media suitable for the surrounding environment and underlying cause of fire.
Unsuitable extinguishing media	No data available.
Specific hazards arising from the chemical	No data available.
Protective equipment and precautions for firefighters	No specific protective equipment or precautions known.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:
Use personal protective equipment as needed.
Environmental Precautions:
None.
Methods and materials for containment and cleanup:
Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:
For precautions see section 2.
Advice on general hygiene practices:
Do not eat, drink, or smoke when using this product. Remove contaminated clothing and protective equipment before entering eating areas or restrooms.
Recommendations on conditions for safe storage:
Store in a cool, dry place. Do not open until ready to use. Keep out of direct sunlight. Keep away from moisture and humidity.
Incompatible materials:
No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits:
This product does not contain any substances with OSHA Permissible Exposure Limits (PELs) or ACGIH Threshold Limit Values (TLVs).
Engineering controls:
Use outdoors or in a facility with sufficient ventilation.
Recommended personal protective measures:
Water-proof gloves (e.g. nitrile, latex, vinyl) recommended for prolonged, repeated exposure to product. Safety glasses are recommended during handling to prevent eye contact. Wash hands and face prior to eating or drinking.
Special requirements for personal protective equipment (PPE):
Immunocompromised individuals should use personal protective equipment, such as gloves, long sleeves, eye protection, and a respirator, as needed.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Brown to brownish-yellow powder
Flammability/explosive limits	Not applicable
Odor	Rich, fertile soil with a soft, damp aroma
Vapor pressure	Data not available
Odor threshold	Data not available
Vapor density	Data not available
pH	5 - 7
Relative density	Data not available
Melting point/freezing point*	Data not available
Solubility	Soluble in water
Initial boiling point/range*	Data not available
Flash point	Not applicable
Evaporation rate	Data not available
Flammability	Not applicable
Partition coefficient (n-octanol/water)	Data not available
Auto-ignition temperature	Data not available
Decomposition temperature	Data not available
Viscosity	Data not available

*Estimated based on theoretical calculations.

SECTION 10: STABILITY AND REACTIVITY

Reactivity:
Not reactive under normal conditions of use.
Chemical stability:
Stable under recommended storage conditions.
Hazardous polymerization, decomposition products:
Will not occur; none.
Biological contamination:
Significant product darkening (physical appearance changes to dark brown/black opaque powder) or other changes in physical appearance may indicate biological contamination. Contaminated product should be sterilized by adding sodium hypochlorite (bleach) to a concentration of 1%, allowing the product to sit for 30 min before disposing according to local guidance and regulations.

Minimize contamination by ensuring original container is closed when not in use. Sterilize surfaces that come into contact with the open container (pour spouts, transfer lines, etc.) with a 70% alcohol solution.

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes:
No acute toxicity or irritation through inhalation, ingestion, skin or eye contact.
Effects from exposure:
Short term exposure: no delayed, immediate, or chronic effects.
Long term exposure:
Full data not available. Current results do not indicate any effects from long term exposure.
Toxicity:
N/A
Symptoms:
N/A
This product does not contain substances listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest editions) or found to be a potential carcinogen by OSHA.

SECTION 12: ECOLOGICAL INFORMATION

This product contains naturally occurring, non-genetically modified, non-pathogenic (plant, animal, human) soil bacteria.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of unused product in accordance with federal, provincial/state, and local waste disposal regulations.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated as a hazardous material for transportation within the US by any means of transportation.

SECTION 15: REGULATORY INFORMATION

This product is considered a plant amendment from the United States Environmental Protection Agency (EPA) and is thus, exempt from EPA registration. This product is registered for sale following state regulations.

SECTION 16: OTHER INFORMATION

Disclaimer:
Kula Bio, Inc. believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. The information provided herein is to our best present knowledge correct and complete and is given in good faith but without warranty. The information relates only to the specified product designated and should not be construed as guaranteeing any specific property of the product where such product is used in combination with any other materials or in any processes.

Safety Data Sheet (SDS)
Kula-Next^{SP}

SECTION 1: IDENTIFICATION

Product Name: Kula-Next^{SP}
Company Information: Kula Bio, Inc.
6 Mercer Rd.
Natick, MA 01760

Contact Information: www.kulabio.com
(800) 773-9686

Emergency Phone Number: (800) 424-9300
(858) 945-3594

Effective Date: September 16, 2025

Recommended Use: A plant beneficial substance made of nitrogen-fixing bacteria that may increase soil fertility. For best results, apply via drip fertigation at regular intervals throughout the crop cycle.

SECTION 2: HAZARD IDENTIFICATION

Classification of the substance:
Not a hazardous substance or mixture.
GHS Label elements, including precautionary statements:
Not a hazardous substance or mixture.
Hazards not otherwise classified (HNOC) or not covered by GHS:
Biosafety Level 1 – Mixture contains pure-cultures of a well-characterized, non-pathogenic organism not known to consistently cause disease in immunocompetent adult humans, and present minimal potential hazard to personnel and the environment.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

The specific chemical identities and exact percentages of composition have been withheld as trade secrets.

Substance Name	CAS Number / Unique Identifier	Concentration % by Weight	Classification
Pure culture of non-pathogenic, non-genetically modified soil microorganism	Confidential	40.98%	BSL-1
Other components	Confidential	59.02%	Not hazardous

SECTION 4: FIRST AID MEASURES

If inhaled:	Move person to fresh air.
In case of skin contact:	Wash with soap and plenty of water.
In case of eye contact:	Flush with clean water, remove contact lenses and continue flushing for at least 15 minutes.
If swallowed:	Rinse mouth with water.

Most important symptoms and effect, both acute and delayed:
No data available.
Recommendations for immediate medical care and special treatment:
No data available.

SECTION 5: FIRE FIGHTING MEASURES

Suitable extinguishing media	Product is not flammable. Use fire-extinguishing media suitable for the surrounding environment and underlying cause of fire.
Unsuitable extinguishing media	No data available.
Specific hazards arising from the chemical	No data available.
Protective equipment and precautions for firefighters	No specific protective equipment or precautions known.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:
Use personal protective equipment as needed.
Environmental Precautions:
None.
Methods and materials for containment and cleanup:
Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

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For precautions see section 2.
Advice on general hygiene practices:
Do not eat, drink, or smoke when using this product. Remove contaminated clothing and protective equipment before entering eating areas or restrooms.
Recommendations on conditions for safe storage:
Store in a cool, dry place. Do not open until ready to use. Keep out of direct sunlight. Keep away from moisture and humidity.
Incompatible materials:
No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits:
This product does not contain any substances with OSHA Permissible Exposure Limits (PELs) or ACGIH Threshold Limit Values (TLVs).
Engineering controls:
Use outdoors or in a facility with sufficient ventilation.
Recommended personal protective measures:
Water-proof gloves (e.g. nitrile, latex, vinyl) recommended for prolonged, repeated exposure to product. Safety glasses are recommended during handling to prevent eye contact. Wash hands and face prior to eating or drinking.
Special requirements for personal protective equipment (PPE):
Immunocompromised individuals should use personal protective equipment, such as gloves, long sleeves, eye protection, and a respirator, as needed.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Brown to brownish-yellow powder
Flammability/explosive limits	Not applicable
Odor	Rich, fertile soil with a soft, damp aroma
Vapor pressure	Data not available
Odor threshold	Data not available
Vapor density	Data not available
pH	5 - 7
Relative density	Data not available
Melting point/freezing point*	Data not available
Solubility	Soluble in water
Initial boiling point/range*	Data not available
Flash point	Not applicable
Evaporation rate	Data not available
Flammability	Not applicable
Partition coefficient (n-octanol/water)	Data not available
Auto-ignition temperature	Data not available
Decomposition temperature	Data not available
Viscosity	Data not available

*Estimated based on theoretical calculations.

SECTION 10: STABILITY AND REACTIVITY

Reactivity:
Not reactive under normal conditions of use.
Chemical stability:
Stable under recommended storage conditions.
Hazardous polymerization, decomposition products:
Will not occur; none.
Biological contamination:
Significant product darkening (physical appearance changes to dark brown/black opaque powder) or other changes in physical appearance may indicate biological contamination. Contaminated product should be sterilized by adding sodium hypochlorite (bleach) to a concentration of 1%, allowing the product to sit for 30 min before disposing according to local guidance and regulations.

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Exposure routes:
No acute toxicity or irritation through inhalation, ingestion, skin or eye contact.
Effects from exposure:
Short term exposure: no delayed, immediate, or chronic effects.
Long term exposure:
Full data not available. Current results do not indicate any effects from long term exposure.
Toxicity:
N/A
Symptoms:
N/A
This product does not contain substances listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest editions) or found to be a potential carcinogen by OSHA.

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