

TAE-022 WDG

For Plant Strengthening, Growth Enhancement and Suppression of Certain Diseases

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|--|----------------|
| ACTIVE INGREDIENT – <i>Bacillus subtilis</i> var. <i>amyloliquefaciens</i> Strain FZB24*..... | % w/w 24.5% |
| OTHER INGREDIENTS | 75.5% |
| Total | 100.0% |

* Contains 5.0 x 10¹⁰ Colony Forming Units ("CFU")/gram.

KEEP OUT OF REACH OF CHILDREN

WARNING

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

Harmful if swallowed, absorbed through skin, or inhaled. Causes moderate eye irritation. Causes skin irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust or spray mist. Remove contaminated clothing and wash clothing before reuse. Wash thoroughly with soap and water after handling.

FIRST AID

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger, or if available, by administering syrup of ipecac. If a person is unconscious, do not give anything by mouth and do not induce vomiting.

IF ON SKIN OR CLOTHING: Wash with plenty of soap and water. Get medical attention if irritation persists.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

IF IN EYES: Flush with plenty of water. Get medical attention if irritation develops.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear: Long-sleeved shirt and long pants. Waterproof gloves. Shoes plus socks. Dust-mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C) or a NIOSH approved respirator with any N, R, P or HE filter.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

EMERGENCY INFORMATION

For spill, leak, fire, exposure, or accident call CHEMTREC at 1-800-424-9300.

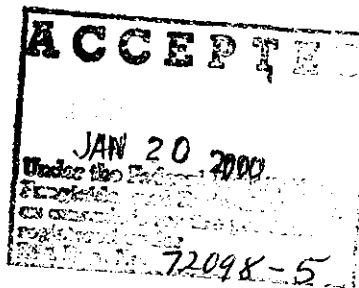
ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

Not for Sale or Use after (Date to Be Inserted)

Net Contents: _____ Ounces; _____ Grams

Taensa, Inc.
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P.O. Box 764
Fairfield, CT 06430 U.S.A.



EPA Establishment Number _____

EPA Registration Number: 72098-____

Made in Germany

Revision: 991229

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water are:

- Coveralls
- Waterproof gloves
- Shoes plus socks
- Dust-mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C) or a NIOSH approved respirator with any N, R, P or HE filter.

USER SAFETY RECOMMENDATIONS

- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing immediately if pesticide gets inside, then wash thoroughly and put on clean clothing.
- Remove personal protection equipment immediately after handling this product. If gloves are worn, wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

GENERAL

TAE-022 is used for plant strengthening, enhancing growth, increasing yields, and for suppressing selected soil-born diseases such as *Rhizoctonia* and *Fusarium* on ornamentals, shrubs, and forest and shade tree seedlings. TAE-022 is only to be used in greenhouses and indoors.

TAE-022 is recommended for use on the following crops/plants grown in the greenhouse or indoors:

ORNAMENTALS

- | | | | |
|---------------------|--------------------|-----------------------|-------------------------|
| Abutilon | Coral Bells | Hollyhock | Podocarpus |
| Achillea | Coreopsis | Honeysuckle | Poinsettia |
| Actinopteris | Cosmos | Hosta (Plantain Lily) | Poppy |
| African Violet | Crocus | Hoya (Wax Plant) | Portulaca |
| Ageratum | Crossandra | Hyacinth | Potentilla |
| Aglaonema | Croton | Hydrangea | Pothos |
| Ajuga | Crown of Thorns | Ice Plant | Potted Flowering Plants |
| Allamanda | Cultivated Greens | Impatiens | Prayer Plant |
| Allium | Cut Florist Greens | Iris | Primrose |
| Alocasia | Cut Flowers | Ivy, Algerian | Pyracantha |
| Alyssum | Cuttings | Ivy, English | Ranunculus |
| Amaryllis | Cyclamen | Jasmine | Rhododendron |
| Anemone | Daffodils | Jessamine | Rose |
| Annuals, Ornamental | Dahlia | Kalanchoe | Rosemary |
| Anthurium | Daisy | Lantana | Rubber Plant |
| Aphelandra | Daylily | Liatris | Rudbeckia |
| Aralia | Delphinium | Lily | Saintpaulia |
| Artemisia | Dianthus | Lily of the Nile | Salvia |
| Aster | Dieffenbachia | Liriope | Sansevieria |
| Azalea | Dizygotheca | Lobelia | Schefflera |
| Baby's Breath | Dracena | Loosestrife | Scilla |
| Bachelors Button | Dusty Miller | Lupine | Sedum |
| Bedding Plants | Easter Lily | Manvillia | Seed Beds |
| Beefsteak Plant | Echeveria | Maple, Flowering | Seedling Plants |
| Begonia | Episcia | Marigold | Sempervivum |
| Bird of Paradise | Euonymus | Monarda | Senecio |
| Bleeding Heart | Euphorbia | Mondo Grass | Shrubs |
| Bougainvillea | Exacum | Morea, Yellow | Sinningia |
| Bromeliad | False Dragonhead | Myrtle | Snapdragon |
| Bulbs | Fatsia | Narcissus | Spathiphyllum |
| Buttercup | Ferns | Nasturtium | Stachys |
| Butterfly Bush | Ficus | Nigella | Statice |
| Cactus | Fittonia | Nursery Crops | Stock |
| Caladium | Foliage Plants | Ophiopogon | Stokesia |
| Calathea | Foxglove | Orchid | Strawberry, Wild |
| Calceolaria | Freesia | Ornithogalum | Strawflower |
| Calendula | Fuchsia | Osmanthus | Sweet Pea |
| Calla Lily | Gaillardia | Oxalis | Sweet William |
| Calliandra | Gardenia | Pachysandra | Syngonium |
| Campanula | Gazania | Pansy | Tulip |
| Candy-Tuft | Geranium | Pelargonium | Verbena |
| Carnation | Gerbera | Peony | Veronica |
| Celosia | Geum | Peperomia | Vinca |
| Centaurea | Gladiolus | Periwinkle | Violet |
| Cerastium | Gloxinia | Petunia | Virginia Creeper |
| Chinese Evergreen | Grass, Ornamental | Philodendron | Wall Flower |
| Chrysanthemum | Ground Covers | Phlox | Wandering Jew |
| Cineraria | Gynura | Photinia | Wisteria |
| Cockscomb | Gypsophila | Pilea | Yarrow |
| Coleus | Hedera | Pinks | Yucca |
| Columbine | Hibiscus | Pittosporum | Zinnia |

SHRUBS

- | | | | |
|-----------------------|--------------|-----------------|--------------------|
| Abelia | Cleyera | Hickory | Pittosporum |
| Andromeda | Cordyline | Holly | Podocarpus |
| Arborvitae | Crape Myrtle | Hydrangea | Poinciana |
| Aucuba | Cotoneaster | Indian Hawthorn | Privet |
| Azalea | Cuttings | Juniper | Pyracantha |
| Bamboo | Daphne | Laurel | Quince, Ornamental |
| Barberry | Deutzia | Leucothoe | Rhamnus |
| Beauty Bush | Elderberry | Ligustrum | Rhododendron |
| Bedding Plants | Escallonia | Lilac | Rockrose |
| Blueberry, Ornamental | Eugenia | Lippia | Rose |
| Bog Rosemary | Euonymus | Manzanita | Santolina |
| Bottlebrush | Fig | Mock Orange | Snowberry |
| Boxwood | Firethorn | Nandina | Spicebrush |
| Bridal Wreath | Forsythia | Nursery Crops | Spirae |
| Broom | Fuchsia | Oleander | St. Johnswort |
| Buckthorn | Guava | Oregon Grape | Viburnum |
| Camellia | Hawthorn | Osmanthus | Wax Myrtle |
| Caranaga Carob | Heath | Pachistima | Weigla |
| Carex | Heather | Pachysandra | Yew |
| Ceanothus | Hibiscus | Photinia | |

SHADE AND FOREST TREE SEEDLINGS

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|----------------|------------------|----------------|------------|
| Acacia | Cottonwood | Holly | PawPaw |
| Alder | Crabapple | Hornbeam | Pine |
| Ash | Cuttings | Horse Chestnut | Poplar |
| Aspen | Cypress | Ironwood | Privet |
| Basswood | Dogwood | Juneberry | Quince |
| Bedding Plants | Douglas Fir | Juniper | Redbud |
| Beech | Elder | Larch | Redwood |
| Birch | Elm | Linden | Sassafras |
| Bougainvillea | Fir | Locust | Sourwood |
| Buckeye | Forest Seedlings | Magnolia | Spruce |
| Butternut | Forest Trees | Maple | Sumac |
| Catalpa | Gingko | Mimosa | Sycamore |
| Cedar | Gum | Mulberry | Tamarack |
| Chamaecyparis | Hackberry | Myrtle | Tulip Tree |
| Cherry, Wild | Hawthorn | Nursery Crops | Willow |
| Chestnut | Hemlock | Oak | Yellowwood |
| Conifers | Hickory | Palm | |

MIXING INSTRUCTIONS

TAE-022 must be pre-mixed thoroughly with water to assure a properly concentrated suspension. Mix the necessary amount of TAE-022 with three times the amount of water. When the suspension is thoroughly mixed, add the remaining water. Apply content of entire suspension within a few hours of mixing to ensure viability of TAE-022. For best results, agitate final suspension immediately before application to ensure complete and even suspension of product.

APPLICATION INSTRUCTIONS

Apply TAE-022 as early as possible in the life cycle of the plant to enhance growth and disease resistance. TAE-022 should be applied to plants every few weeks for up to three to four applications as needed. For best results, apply TAE-022 to seedlings or to newly rooted cuttings.

- **Drenching** – Apply TAE-022 to seedlings or to newly rooted cuttings. Drench plants with the TAE-022 suspension making sure the root system is thoroughly soaked. Allowing TAE-022 to work into the root zone. Apply TAE-022 as follows:
 - Per 100 gallons of water – By weight use 75 grams or 2.6 ounces; By volume use 3.5 fluid ounces of TAE-022
 - Per 1 gallon of water – By weight use 0.75 gram; By volume use 0.2 teaspoon of TAE-022
- **Cutting and Root Dips** – Stir suspension for several minutes to ensure complete mixture and to eliminate clumps. Place rootstock in the suspension for five to ten minutes allowing time for TAE-022 to penetrate the root zone. Ornamentals should receive at least one follow-up drench treatment two to three weeks following initial treatment. Apply TAE-022 as follows:
 - Per 10 gallons of water – By weight, use 40 grams; By volume, 1.8 fluid ounces of TAE-022
 - Per 1 gallon of water – By weight, use 4 grams; By volume, use 1 teaspoon of TAE-022
 - Per 1 Liter of water – By weight, use 1 gram of TAE-022
- **Transplants, Including Plugs** – TAE-022 may be applied to transplants by dipping or by drenching making sure the root system is thoroughly soaked. For dipping, follow the instructions for "Cutting and Root Dips" before planting transplants into soil medium. For drenching, first plant the transplants into soil medium and then follow instructions for "Drenching."

USE OF FUNGICIDES PRIOR TO OR FOLLOWING TREATMENT WITH TAE-022

TAE-022 is not a species of fungus. Fungicides may be used prior to or following treatment with TAE-022, if necessary, without compromising efficacy of TAE-022.

CHEMIGATION

Do not apply TAE-022 through any type of irrigation system.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE: TAE-022 consists of living microbes. Store in a cool dry place. Do not freeze or expose to temperatures above 80° F. Opened packages should be closed tightly and stored in a cool dry place and used within one month or in a refrigerator and used within one year.

PESTICIDE DISPOSAL: Unused TAE-022 and wastes resulting from the use of this product may be disposed of in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

CONTAINER DISPOSAL: Dispose of empty container in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

CONDITIONS OF SALE

Taensa, Inc. warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to manufacturer, and buyer assumes the risk for any such use.