



BRANDT[®]

West Coast

Specialty Product Guide

- Crop Nutrition
- Biopesticides
- Adjuvants
- Water Treatment



GROWING THE EXTRA MILE

**with our budding line of crop nutrition,
protection and adjuvant solutions**

BRANDT is a leading manufacturer of specialty inputs for the agriculture, turf and ornamental, and lawn and garden markets. The company has been at the forefront of plant health since 1953 and offers one of the largest selections of liquid micronutrients. The company also offers adjuvants, specialty nutrition, colorants and utility solutions to fit a wide range of crop budgets and needs.



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Plant Health Solutions



BRANDT® Smart System®

Smarter Foliar Nutrition

As today's tank mixes become more challenging, the need for "smarter" and more compatible foliar nutrition is increasing. BRANDT SMART SYSTEM foliar micronutrients were designed for superior performance in a wide range of complex crop protection tank mixes, including glyphosate and *select dicamba and 2,4-D herbicides.

Key Advantages

- Proprietary molecules are formulated for rapid nutrient uptake and delivery to plant growing points
- Delivers nutrient combinations that are in high demand
- Nutrients are protected so that they will not bind with the herbicide or other nutrients

BRANDT Smart B-Mo

5.0% B 0.5% Mo

Derived from boric acid, sodium molybdate

NEW, high efficiency boron and molybdenum formulation. Proprietary formulation offers up to 8x greater efficiency than 10% boron. Compatible with herbicides, nitrate fertilizers and other micronutrients (including calcium and zinc).

BRANDT Smart B

5.0% B

Derived from boric acid

BRANDT Smart Cu

5-0-0 3.0% S 6.0% Cu

Derived from urea, copper sulfate

BRANDT Smart Fe

2.0% S 4.0% Fe

Derived from ferrous sulfate

BRANDT Smart K B

2-0-16 2.5% B 0.2% Mo

Derived from urea, potassium borate and sodium molybdate

BRANDT Smart Mg

10-0-0 4.0% Mg 4.0% S

Derived from urea, magnesium sulfate

BRANDT Smart Mn

6-0-0 3.5% S 6.0% Mn

Derived from urea, manganese sulfate

BRANDT Smart Mn Plus

5-0-0 2.0% S 4.0% Mn

Derived from urea, manganese sulfate

BRANDT Smart P

4-24-0

Derived from protein hydrolysate, phosphoric acid

BRANDT Smart Sulfur Plus

5-0-0 5.0% S 0.5% B 1..5% Mn 0.05% Mo 1.5% Zn

Derived from urea, sulfuric acid, boric acid, manganese sulfate, sodium molybdate and zinc sulfate

BRANDT Smart Trio®

4-0-0 3.0% S 0.25% B 3.0% Mn 3.0% Zn

Derived from urea, boric acid, manganese sulfate and zinc sulfate

BRANDT Smart Zn

6-0-0 3.0% S 6.0% Zn

Derived from urea, zinc sulfate

BRANDT Smart Quatro® Plus

5-0-0 2.0% S 0.5% B 2.0% Mn 0.05% Mo 2.0% Zn

Derived from urea, boric acid, manganese sulfate, sodium molybdate and zinc sulfate



BRANDT® Manni-Plex®

High Performance Foliar Micronutrients

BRANDT MANNI-PLEX foliar nutrients provide the right nutrient, at the right time, in the right form. The proprietary formulations are designed for rapid nutrient absorption and mobility, which allows for faster correction of nutrient deficiencies.

Key Advantages

- Formulations coat and adhere to plant leaves, which extends the amount of time nutrients are available for uptake
- Improves plant strength and vigor
- Nutrients support key plant physiological processes that impact plant growth, development and response to environmental stress
- Compatible with most insecticides, fungicides and PGRs



Foli-Cal®

5-0-0 10.0% Ca

Derived from calcium acetate, calcium nitrate

BRANDT Manni-Plex B Moly

5-0-0 3.3% B 0.5% Mo

Derived from urea, boron ethanolamine and sodium molybdate

BRANDT Manni-Plex Cal-B

7.0% Ca 1.0% B

Derived from calcium chloride, boric acid

BRANDT Manni-Plex Cal-Mag

7-0-0 5.3% Ca 2.6% Mg

Derived from calcium nitrate, magnesium nitrate

BRANDT Manni-Plex Cal Zn

6-0-0 6.0% Ca 3.0% Zn

Derived from calcium nitrate, zinc nitrate

BRANDT Manni-Plex Fe

5-0-0 5.0% Fe

Derived from urea, ferrous sulfate

BRANDT Manni-Plex for Tree Nuts

5-0-0 2.0% Mg 0.2% B 2.0% Cu 3.0% Zn

Derived from urea, magnesium nitrate, sodium borate, copper nitrate and zinc nitrate

BRANDT Manni-Plex for Citrus

5-0-0 0.25% B 1.0% Fe 2.5% Mn 2.0% Zn

Derived from urea, iron nitrate, manganese nitrate, zinc nitrate and sodium borate

BRANDT Manni-Plex for Corn

3-0-0 0.5% Mg 0.2% B 0.05% Cu 0.9% Mn 4.7% Zn

Derived from magnesium nitrate, copper nitrate, manganese nitrate, zinc nitrate, urea and sodium borate

BRANDT Manni-Plex for Pecans

5-0-0 1.0% Cu 0.5% Fe 2.0% Mn 3.0% Zn

Derived from urea, copper nitrate, iron nitrate, manganese nitrate and zinc nitrate

BRANDT Manni-Plex for Small Grains

2-0-0 0.5% B 2.0% Cu 1.5% Mn 1.5% Zn

Derived from copper nitrate, manganese nitrate, zinc nitrate, urea and sodium borate

BRANDT Manni-Plex for Beans

2-0-0 0.2% B 0.3% Fe 3.2% Mn 0.01% Mo 2.1% Zn

Derived from urea, sodium borate, iron nitrate, manganese nitrate, sodium molybdate and zinc nitrate

BRANDT Manni-Plex for Vegetables

5-0-0 1.8% Mg 0.4% B 1.25% Fe 0.9% Mn 0.9% Zn

Derived from magnesium nitrate, ferric nitrate, manganese nitrate, zinc nitrate, urea and sodium borate

BRANDT Manni-Plex K

0-0-20

Derived from potassium carbonate

BRANDT Manni-Plex Mg

5-0-0 4.0% Mg

Derived from magnesium nitrate, urea

BRANDT Manni-Plex Mn

7-0-0 5.0% Mn

Derived from manganese nitrate, urea

BRANDT Manni-Plex Mo

8.0% Mo

Derived from sodium molybdate

BRANDT Manni-Plex Ni

7-0-0 5.0% Ni

Derived from nickel nitrate, urea

BRANDT Manni-Plex Si

1.0% Fe

Derived from iron EDTA
10.0% silicon dioxide (SiO₂) derived from sodium silicate

BRANDT Manni-Plex Zn

3-0-0 7.0% Zn

Derived from zinc nitrate, urea

N-Boron®

5-0-0 3.3% B

Derived from urea, boric acid



BRANDT Manni-Plex for Turf and Ornamentals

BRANDT Manni-Plex Eagle

7-0-14 0.5% Fe 0.25% Mn

Derived from urea, potassium carbonate, iron EDTA and manganese EDTA

BRANDT Manni-Plex for Ornamentals

5-0-0 0.25% B 1.0% Fe 2.5% Mn 2.0% Zn

Derived from urea, iron nitrate, manganese nitrate, zinc nitrate and sodium borate

BRANDT Manni-Plex Root Builder

3-0-0 0.5% Mg 0.2% B 0.05% Cu 0.9% Mn 4.7% Zn

Derived from magnesium nitrate, copper nitrate, manganese nitrate, zinc nitrate, urea and sodium borate

BRANDT Manni-Plex Total Turf

5-0-0 1.2% Mg 2.85% Fe 0.45% Mn 0.65% Zn

Derived from magnesium nitrate, iron nitrate, manganese nitrate, zinc nitrate and urea

BRANDT Manni-Plex Traffic

0-0-6

5.0% silicon dioxide (SiO₂) derived from potassium silicate

BRANDT Manni-Plex Ultra Turf

4-0-2 0.5% Mg 0.25% B 0.5% Cu 2.0% Fe 0.5% Mn

0.25% Mo

Derived from urea ammonium nitrate, potassium nitrate, magnesium nitrate, copper nitrate, iron nitrate, manganese nitrate, sodium borate and sodium molybdate

BRANDT® Sequestar®

Chelated Nutrients

BRANDT SEQUESTAR delivers high quality, fully chelated EDTA, EDDHA and DTPA micronutrients to the plant in immediately available form. Formulations can be mixed directly into growing media, applied as a soil drench or added to fertigation systems. They are also compatible with most fertilizers and pesticides.

Dry Microgranule Formulations

BRANDT Sequestar Berry Mix

3.3% Ca 1.1% Mg 0.55% B 0.55% Cu 2.2% Fe
0.55% Mn 2.2% Zn

Derived from calcium EDTA, magnesium EDTA, sodium borate, copper EDTA, iron EDTA, manganese EDTA and zinc EDTA

BRANDT Sequestar 9% Ca

9.0% Ca

Derived from calcium EDTA

BRANDT Sequestar 14% Cu

14.0% Cu

Derived from copper EDTA

BRANDT Sequestar 6% Fe EDDHA

6.0% Fe

Derived from ferric EDDHA

BRANDT Sequestar 11% Fe DTPA

11.0% Fe

Derived from iron DTPA

BRANDT Sequestar 13.2% Fe

13.2% Fe

Derived from iron EDTA

BRANDT Sequestar 5.5% Mg

5.5% Mg

Derived from magnesium EDTA

BRANDT Sequestar 13% Mn

13.0% Mn

Derived from manganese EDTA

BRANDT Sequestar 14% Zn

14.0% Zn

Derived from zinc EDTA

BRANDT Sequestar Mix-All Chelate

0.5% B 0.3% Cu 7.5% Fe 4.0% Mn 0.2% Mo
0.5% Zn

Derived from sodium borate, copper EDTA, iron EDTA, manganese EDTA, sodium molybdate and zinc EDTA

BRANDT Sequestar RMX-8

2.6% Cu 5.6% Fe 2.6% Mn 2.6% Zn

Derived from copper EDTA, iron EDTA, manganese EDTA and zinc EDTA

Liquid Formulations

BRANDT Sequestar 3% Ca

3.0% Ca

Derived from calcium EDTA

BRANDT Sequestar 7.5% Cu

7.5% Cu

Derived from copper EDTA

BRANDT Sequestar 4.5% Fe EDTA

4.5% Fe

Derived from iron EDTA

BRANDT Sequestar 4.5% Fe HEDTA

4.5% Fe

Derived from iron HEDTA

BRANDT Sequestar 2.5% Mg

2.5% Mg

Derived from magnesium EDTA

BRANDT Sequestar 5% Mn

5.0% Mn

Derived from manganese EDTA

BRANDT Sequestar 6.5% Zn

6.5% Zn

Derived from zinc EDTA

BRANDT Sequestar 9% Zn

9.0% Zn

Derived from zinc EDTA

BRANDT® EnzUp®

Patent Pending Enzyme Technology

BRANDT EnzUp is a revolutionary new enzyme technology that keeps enzymes active in the soil longer. The high concentration of enzymes convert organic matter into smaller, digestible units. This creates a rich soil environment for the seed which allows for enhanced water and nutrient availability, uptake and utilization. The result is improved soil and plant health, increased root mass and improved drought and stress tolerance.

In this unique line of products, BRANDT EnzUp NPK formulations contain a patented dual action technology. The dual action technology is a combination of BRANDT EnzUp and BRANDT Reaction® chemistries. The enzymes promote improved soil health by breaking down residue and releasing nutrients to increase crop and microbial growth. The Reaction chemistry delivers nutrients that delay the chemical fixation reactions in the soil among phosphorus and potassium in alkaline or acid soils. This allows for phosphorus and potassium to enter and stay available in the soil solution for longer periods. This improves nutrient efficiency and solubility, which promotes overall plant health.

Key Advantages

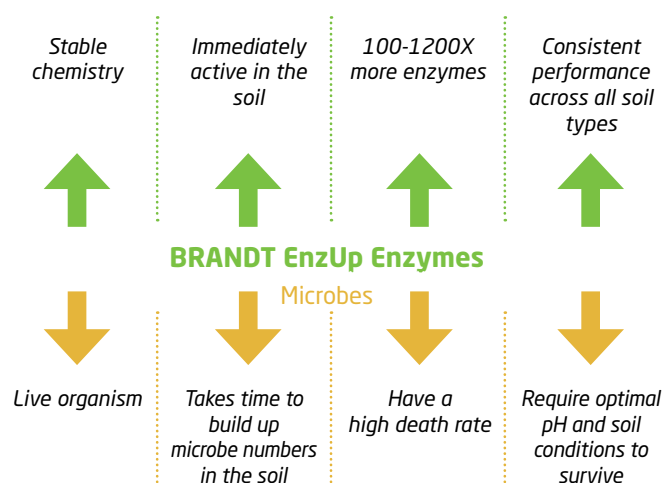
- Delivers a high concentration of enzymes that are treated to stay active in the soil longer
- Enzymes break down organic matter and convert nutrients into smaller, digestible units
- Nutrients support key plant physiological processes that impact plant growth, development and response to environmental stress
- Easy addition to fertilizer program with exceptional yield potential
- Increases soil enzyme population up to 1200x

The Importance of Enzymes in Plant Health

Enzymes are proteins made by plants, microbes or other organisms in the soil that perform chemical reactions. They act as catalysts to breakdown organic matter in the soil and release plant available nutrients. Enzymes also play a role in many biochemical processes that occur in the soil.

Enzyme Interaction

- **Mannanase enzyme** - its primary function is to break down starches in the exudate that surrounds the outermost layer of the root tips. This chemical reaction creates a draw of water and nutrients to the root zone and releases sugars to the plant. This in turn boosts root growth and increases microbial activity.
- **Lipase enzyme** - its primary function is to break down lipids in root exudates and organic residue in the soil allowing for better water flow and nutrient uptake by the roots.
- **Phosphatase enzyme** - its primary function is to convert tied up organic phosphate into soluble, bio-available phosphate that is immediately available for plant use. This reaction significantly increases nutrient availability and uptake.



Dry Formulations

BRANDT EnzUp P DS

12-58-0

Derived from monoammonium phosphate

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS:

Phosphatase 5.0×10^2 μ Units/g
Mannanase 2.2×10^6 μ Units/g

BRANDT EnzUp K DS

5-0-49

Derived from potassium nitrate, potassium sulfate and muriate of potash

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS:

Phosphatase 3.5×10^2 μ Units/g
Mannanase 1.5×10^6 μ Units/g

BRANDT EnzUp S DS

21-0-0

Derived from ammonium sulfate and urea

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS:

Phosphatase 5.0×10^2 μ Units/g
Mannanase 2.2×10^6 μ Units/g

BRANDT EnzUp P Zn DS

12-58-0

Derived from monoammonium phosphate and zinc EDTA

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS:

Phosphatase 1.1×10^3 μ Units/g
Mannanase 5.0×10^6 μ Units/g

Liquid Formulation

BRANDT EnzUp Zn

4.0% Zn

Derived from zinc EDTA

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS:

Lipase 2.0×10^3 μ Units/mL
Mannanase 1.0×10^6 μ Units/mL

BRANDT EnzUp Mn

3.0% Mn

Derived from manganese EDTA

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS:

Lipase 2.0×10^3 μ Units/mL
Mannanase 1.0×10^6 μ Units/mL

BRANDT EnzUp 2-5-5 LS

2-5-5

Derived from monoammonium phosphate, ammonium sulfate, potassium nitrate, potassium sulfate, potassium chloride, copper EDTA and zinc EDTA

Phosphatase 4.5×10^1 μ U/mL
Mannanase 2.0×10^5 μ U/mL

BRANDT EnzUp 2-6-6 LS

2-6-6 1.0% S

Derived from ammonium sulfate, monoammonium phosphate, potassium nitrate, potassium sulfate and potassium chloride

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS:

Phosphatase 4.5×10^1 μ U/mL
Mannanase 2.0×10^5 μ U/mL

BRANDT EnzUp 5-6-0 LS

5-6-0

Derived from monoammonium phosphate and urea

Phosphatase 4.5×10^1 μ U/mL
Mannanase 2.0×10^5 μ U/mL

BRANDT EnzUp 10-3-6 LS

10-3-6

Derived from ammonium phosphate, potassium nitrate, urea and potassium sulfate

Phosphatase 4.5×10^1 μ U/mL
Mannanase 2.0×10^5 μ U/mL

BRANDT EnzUp K LS

1-0-7

Derived from potassium nitrate, potassium sulfate and muriate of potash

Phosphatase 4.5×10^1 μ U/mL
Mannanase 2.0×10^5 μ U/mL

BRANDT EnzUp K Mg LS

0.5-0-7

Derived from potassium nitrate, potassium sulfate, potassium chloride, and magnesium EDTA

Phosphatase 4.5×10^1 μ U/mL
Mannanase 2.0×10^5 μ U/mL

BRANDT EnzUp P LS

2-14-0

Derived from monoammonium phosphate and phosphoric acid

Phosphatase 4.5×10^1 μ U/mL
Mannanase 2.0×10^5 μ U/mL

BRANDT EnzUp P Zn LS

2-14-0 0.1% Zn

Derived from monoammonium phosphate, phosphoric acid and zinc EDTA

Phosphatase 4.5×10^1 μ U/mL
Mannanase 2.0×10^5 μ U/mL

BRANDT EnzUp S LS

8-0-0 9.0% S

Derived from ammonium sulfate and urea

Phosphatase 4.5×10^1 μ U/mL
Mannanase 2.0×10^5 μ U/mL

Humic Acids

BRANDT® Uptake®

BRANDT Uptake 12

0-0-3

Derived from potassium hydroxide
ALSO CONTAINS NONPLANT FOOD INGREDIENT:
12% humic acid derived from leonardite. Humic acid analyzed by acid precipitation method.

12% liquid humic acid formulation with a spike of nitrogen. Supplies organic matter in a convenient, ready-to-use form. May be used on warm and cool weather turfgrass. May be applied as a foliar, or through fertigation.

BRANDT Uptake Advanced

6.0% Humic Acid Derived from Leonardite Ore

6% liquid humic acid. Supplies organic matter in a convenient, ready-to-use form. Compatible with most adjuvants, pesticides and fertilizers including 4-0-8, phosphoric acid, UAN solutions, and non-chelated micronutrients, including iron. May be applied as a foliar or through fertigation.

Liquid Nutrients

N-Boost® 5

Patented Efficiency Enhancer

N-Boost 5

5-0-0

Derived from urea
ALSO CONTAINS NONPLANT FOOD INGREDIENTS:
3% fermentation extracts (derived from fermentation of sugarcane using mixed yeast and lactic acid bacteria culture is not a viable culture.)
N-BOOST 5 contains 5% nitrogen and patented sugarcane fermentation extract. The formulation helps boost plant nutrient uptake and utilization by converting nitrogen into a more available form. N-BOOST 5 is an excellent option for crops with high nutrient demand and needs.

BRANDT Premium Liquid Fertilizers

BRANDT 30-K

0-0-30

Derived from potassium carbonate

BRANDT Hi-Phos 32

8-32-7 0.1% Fe 0.001% Mo 0.2% Zn

Derived from ammonium phosphate, tetrapotassium pyrophosphate, iron EDTA, sodium molybdate and zinc EDTA

ALSO CONTAINS NONPLANT FOOD INGREDIENT:
0.3% Humic Acid derived from Leonardite.

BRANDT Liquid Boron

10.0% B

Derived from boron ethanolamine

BRANDT Liquid Molybdenum

5.0% Mo

Derived from sodium molybdate

BRANDT MKS

0-0-4 2.1% Mg 3.2% S

Derived from sulfate of potash magnesia

BRANDT® PowerPhos®

4-19-2 0.01% B 0.04% Cu 0.1% Fe 0.06% Mn 0.1% Zn

Derived from ammonium phosphate, potassium phosphate, boric acid, copper EDTA, iron EDTA, manganese EDTA and zinc EDTA.

Contains 19% phosphate and chelated micronutrients, which are readily available to the plant. This formulation boosts plant growth, corrects nutrient deficiencies and helps mitigate crop stress.

Clear Advantage®

5-0-1 0.05% B 0.75% Mn 0.001% Mo 0.75% Zn

Derived from potassium nitrate, urea, sodium borate, manganese EDTA, sodium molybdate and zinc EDTA

Proprietary foliar fertilizer from BRANDT iHammer®. Contains stable readily available nutrients for improved plant vigor.

Sustainable Nutrition

BRANDT Organics

Liquid Lignosulfonate

Complexed Nutrients *OMRI Listed*

BRANDT Organics provides a sustainable and economical alternative to synthetic chelates. Lignosulfonates have a small molecular size, which allows for efficient nutrient uptake.

BRANDT Organics Crop Mix

1.0% Mg | 4.0% S | 1.0% Fe | 1.0% Mn | 3.0% Zn

Derived from ferrous sulfate, magnesium sulfate, manganese sulfate and zinc sulfate; complexed with lignosulfonate

BRANDT Organics Desert Crop Mix

4.5% S | 2.0% Fe | 2.0% Mn | 4.0% Zn

Derived from ferrous sulfate, manganese sulfate and zinc sulfate, complexed with lignosulfonate

BRANDT Organics Hort Mix

1.0% Mg | 2.5% S | 0.35% B | 0.03% Co | 0.15% Cu
1.5% Fe | 0.45% Mn | 0.04% Mo | 0.5% Zn

Derived from magnesium sulfate, cobalt sulfate, copper sulfate, ferrous sulfate, manganese sulfate and zinc sulfate, complexed with lignosulfonate; sodium borate and sodium molybdate

BRANDT Organics Tree & Vine Mix

2.5% S | 0.5% B | 0.2% Cu | 1.5% Fe | 0.5% Mn | 2.5% Zn

Derived from copper sulfate, ferrous sulfate, manganese sulfate and zinc sulfate, complexed with lignosulfonate; and sodium borate

BRANDT Organics 3% B

3.0% B

Derived from sodium borate, complexed with lignosulfonate

BRANDT Organics 6% Ca

6.0% Ca

Derived from calcium chloride

BRANDT Organics 5% Cu

2.5% S | 5.0% Cu

Derived from copper sulfate, complexed with lignosulfonate

BRANDT Organics 5% Fe

3.0% S | 5.0% Fe

Derived from ferrous sulfate, complexed with lignosulfonate

BRANDT Organics 4% Mg

4.0% Mg | 5.0% S

Derived from magnesium sulfate, complexed with lignosulfonate

BRANDT Organics 7% Mn

4.0% S | 0.4% Fe | 7.0% Mn

Derived from ferrous sulfate and manganese sulfate, complexed with lignosulfonate

BRANDT Organics 7% Zn

3.5% S | 7.0% Zn

Derived from zinc sulfate, complexed with lignosulfonate

BRANDT Organics 10% Zn

5.0% S | 10.0% Zn

Derived from zinc sulfate, complexed with lignosulfonate

BRANDT[®] Organiplex[®]

Liquid Amino Acid

Complexed Nutrients *OMRI Listed*

BRANDT Organiplex amino acid complexed nutrients provide sustainable, highly efficient nutrients. Amino acids are essential to plant development and play a key role in plant response to stress.

BRANDT Organiplex 8% Ca

8.0% Ca

Derived from calcium amino acid complex

BRANDT Organiplex Micro Mix

2.0% Fe | 2.0% Mn | 2.0% Zn

Derived from iron amino acid complex, manganese amino acid complex, and zinc amino acid complex

BRANDT Organiplex 4% Fe

4.0% Fe

Derived from iron amino acid complex

BRANDT Organiplex 4% Mn

4.0% Mn | 0.25% B

Derived from manganese amino acid complex, sodium borate

BRANDT Organiplex 3% Mg

3.0% Mg | 0.25% B

Derived from magnesium amino acid complex, sodium borate

BRANDT Organiplex 6% Zn

6.0% Zn

Derived from zinc amino acid complex

Dry Soluble Nutrients

BRANDT NPK + Micro Blends

Dry soluble powder chelated nutrients are the most economical way to supply micronutrients to plants. They mix easily with water and can be applied alone, with non-phosphorus liquid fertilizers or added to dry granular fertilizers. *The standard "Micro pack" in each formulation contains B, Cu, Fe, Mn, Mo and Zn.*

BRANDT 0-18-42 Micro

0-18-42	0.2% B	0.05% Cu	0.1% Fe	0.1% Mn	0.01% Mo
0.15% Zn					

BRANDT 6-30-30 Micro

6-30-30	0.02% B	0.05% Cu	0.1% Fe	0.05% Mn	0.0005% Mo
0.05% Zn					

BRANDT 9-45-15 Micro

9-45-15	0.02% B	0.05% Cu	0.1% Fe	0.05% Mn	0.0005% Mo
0.05% Zn					

BRANDT 10-45-10 Micro

10-45-10	0.02% B	0.05% Cu	0.1% Fe	0.05% Mn	0.0005% Mo
0.05% Zn					

BRANDT 10-5-30 Micro

10-5-30	0.05% B	0.05% Cu	0.1% Fe	0.05% Mn	0.0005% Mo
0.05% Zn					

BRANDT 10-52-8 Micro

10-52-8	0.02% B	0.05% Cu	0.1% Fe	0.05% Mn	0.0005% Mo
0.05% Zn					

BRANDT 12-26-26 Micro

12-26-26	0.02% B	0.05% Cu	0.1% Fe	0.05% Mn	0.0005% Mo
0.05% Zn					

BRANDT 15-10-30 Micro

15-10-30	0.02% B	0.05% Cu	0.1% Fe	0.05% Mn	0.0005% Mo
0.05% Zn					

BRANDT 15-30-15 Micro

15-30-15	0.02% B	0.05% Cu	0.1% Fe	0.05% Mn	0.0005% Mo
0.05% Zn					

BRANDT 20-20-20 Micro

20-20-20	0.02% B	0.05% Cu	0.1% Fe	0.05% Mn	0.0005% Mo
0.05% Zn					

BRANDT 30-10-10 Micro

30-10-10	0.02% B	0.05% Cu	0.1% Fe	0.05% Mn	0.0005% Mo
0.05% Zn					

BRANDT 28-8-18 Micro T+O

28-8-18	0.02% B	0.05% Cu	0.1% Fe	0.05% Mn	0.0005% Mo
0.05% Zn					

BRANDT Aquaculture Mix

0-1.15-34	0.40-0.45% Ca	18 ppm Co	33 ppm Cu	6,000 ppm Fe
460 ppm Mn 28 ppm Mo 1 ppm Zn 400 mg/lb Vitamin B ₁				

Ingredients: Potassium nitrate, monopotassium phosphate, iron ethylenediaminetetraacetate (EDTA), calcium sulfate, manganese EDTA, Vitamin B1, zinc EDTA, copper EDTA, sodium molybdate and cobalt sulfate.

BRANDT MKP

0-51-33



Inorganic Nutrients

B

BRANDT Boric Acid *OMRI Listed*

17.0% B

Derived from boric acid

BRANDT Liquid Boron

10.0% B

Derived from boron ethanolamine

Fertibor® *OMRI Listed*

15.0% B

Derived from sodium borate

Granubor® *OMRI Listed*

15.0% B

Derived from sodium borate

Optibor® TG *OMRI Listed*

17.5% B

Derived from boric acid

Solubor® *OMRI Listed*

20.5% B

Derived from sodium borate

Co

BRANDT Cobalt Sulfate - Powder

18.0% S 33.0% Co

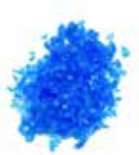
Soluble powder

Cu

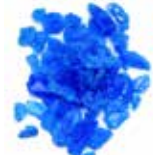
Copper Sulfate Crystals *OMRI Listed*

25.0% Cu

Derived from copper sulfate pentahydrate



Small



Medium

Fe

BRANDT Ferrous Sulfate - Crystal *OMRI Listed*

11.0% S 20.0% Fe

Derived from ferrous sulfate heptahydrate

BRANDT Ferrous Sulfate - Fine Granular

18.3% S 30.0% Fe *OMRI Listed*

Derived from ferrous sulfate monohydrate

BRANDT Ferrous Sulfate - Coarse Granular

18.3% S 30.0% Fe *OMRI Listed*

Derived from ferrous sulfate monohydrate

Sucra-Min™ Iron Sucrate 50% Fe

50.0% Fe

Standard prill granular borate for bulk blended dry fertilizers.

Tiger Micronutrients® Iron 22% *OMRI Listed*

55.0% S 22.0% Fe

Derived from ferrous sulfate

Mg

BRANDT Magnesium Sulfate - Crystal *OMRI Listed*

9.8% Mg 12.9% S

Derived from magnesium sulfate heptahydrate

BRANDT Magnesium Sulfate - Granular *OMRI Listed*

14.0% Mg 15.0% S

Derived from magnesium sulfate monohydrate

TradeMark Mag Nitrate

7-0-0 6.0% Mg

Derived from magnesium nitrate

Sucra-Min™ Magnesium 45% Mg

45.0% Mg

Mini and standard prill granular crystals.

Mn

BRANDT Manganese Sulfate - Powder

18.0% S 31.0% Mn *OMRI Listed*

Derived from manganese sulfate

BRANDT Manganese Sulfate - Granular

18.0% S 31.0% Mn *OMRI Listed*

Derived from manganese sulfate

BRANDT Manganese Zinc - Powder

17.0% S 15.0% Mn 18.0% Zn

Derived from manganese sulfate, zinc sulfate

Sucra-Min™ Manganese Sucrate 35% Mn

35.0% Mn 0.0025% Mo

Granular crystals.

Tecmangam® Manganese Sulfate Generation 2

19.0% S 32.0% Mn

Maxi and mini-granular, powder.

Mo

BRANDT Sodium Molybdate - Powder

39.0% Mo

Soluble powder.

BRANDT Liquid Molybdenum

5.0% Mo

Derived from sodium molybdenum

S

Tiger 90CR® Sulfur

90.0% S

Tiger 90CR Organic Sulfur *OMRI Listed*

90.0% S

Derived from elemental sulfur

Tiger-Sul Elemental Sulfur Pastille *OMRI Listed*

99.5% S

Derived from elemental sulfur

Zn

BRANDT Manganese Zinc - Powder

17.0% S 15.0% Mn 18.0% Zn

Derived from manganese sulfate, zinc sulfate

BRANDT Micronized Neutral Zinc

1.0% S 52.0% Zn

Derived from zinc oxide, zinc sulfate

BRANDT Zinc Sulfate - Powder *OMRI Listed*

17.5% S 35.5% Zn

Derived from zinc sulfate

Maximo 360 - Powder *OMRI Listed*

17.5% S 35.5% Zn

Derived from zinc sulfate

Maximo 362 - Granular *OMRI Listed*

17.5% S 35.5% Zn

Derived from zinc sulfate

Sucra-Min™ Zinc Sucrate 36% Zn

36.0% Zn

Standard prill. Zinc sucrate.

Agricultural Hydrated Lime (Western Lime)

For domestic water treatment, for use in the further manufacturing of animal feed, for the control of odor from decomposing organic matter, the dehairing of animal hides, as a white wash, as a soil amendment, and for Bordeaux sprays.



Crop Protection Solutions



Disease Management

BRANDT® Organics Aleo® *OMRI Listed*

Broad spectrum contact bactericide/fungicide. Zero REI/ PHI. Controls bacterial pests including: *Pseudomonas spp.*, *Xanthomonas spp.*, *Ralstonia spp.*, and *Erwinia amylovora*. Suppresses fungal diseases caused by: *Venturia inequalis*, *Rhizoctonia solani*, *Botrytis cinerea*, *Phytophthora infestans*, *Cladosporium cucumerinum*, *Sclerotinia sclerotiorum*, *Pythium irregulare*, *Alternaria dauci*, *Fusarium graminearum*, *Blumeria graminis* and *Plasmopara viticola*.

BRANDT Lime Sulfur *OMRI Listed*

Liquid fungicide. Controls powdery mildew, blight, scale, anthracnose and more. Penetrates fungal spores and prevents ascospores from germinating.

Copper Sulfate Crystals *OMRI Listed*

Dry soluble fungicide. Controls algae, blight, brown rot, canker, leaf curl, leaf spot, powdery mildew and more. Various crystal sizes available.

Copper-Count®-N

Liquid fungicide spray containing 27.1% copper diammonia diacetate complex. Recommended for berries, tree fruit and nut crops, vegetables and row crops.

Kaligreen® *OMRI Listed, WSDA Approved*

Industry leading fungicide kills powdery mildew on contact. Water soluble formulation contains micro-encapsulated potassium bicarbonate.

Peragreen 5.6% *OMRI Listed*

Peragreen 5.6% is a peroxyacetic acid-based microbiocide. Disinfects and sanitizes irrigation water. Controls bacteria, slime, odor and algae.

Nordox® 75 WG *OMRI Listed*

Water soluble fungicide that contains 75% metallic copper equivalent. Controls a variety of diseases on tree and vine crops, including citrus. Formulation sticks to the target site, even during periods of heavy rain. Dust free formulation mixes easily and stays suspended.

BRANDT Crop White II *CDFA OIM*

Protects fruit, nuts and foliage of a variety of crops from sunburn.



Insect Management

Biomite™ OMRI Listed

Unique miticide that controls *Eotetranychus spp.*, *Tetranychus spp.* and *Panonychus spp.* mites, including two-spotted mites, pacific mite, Willamette mite, citrus rust mite, broad mite and the European red mite. Mode of action inhibits resistance, making it ideal for use in IPM. May be used on apples, cucurbits, grapes, hops, nuts, pears, stone fruit, nursery and ornamentals.

BRANDT® Ecotec® Plus OMRI Listed

Broad spectrum insecticide/miticide formulated with a patented combination of essential oils. Mode of action blocks octopamine neuroreceptors on insects and mites. Zero REI and PHI.

Celite® 610 OMRI Listed

Mechanical insecticide that contains 100% diatomaceous earth. Controls Lepidoptera larvae, ants, beetles, white flies, psyllids, thrips, and other crawling insects. Excellent option for IPM. Insects will not build up resistance.



Pest and Disease Combination Products

TriTek® OMRI Listed

Broad spectrum 3-in-1 fungicide/insecticide/miticide. Formulated with highly refined, emulsified mineral oil that stays suspended in the spray tank. Coats leaves evenly and gets deep into canopy to smother and kill pests and disease.

Drexel® Sulfur 80 WDG OMRI Listed

Water soluble sulfur fungicide/insecticide/miticide. May be used on field crops, fruit and nut crops, ornamentals and turf, and vegetable crops.

Nematode Management

BRANDT® Nema-Q® OMRI Listed

Water soluble nematicide that contains saponins of *Quillaja saponaria*. Controls plant parasitic nematodes on contact and by ingestion. May be used on vineyards, orchards, field crops, turf and ornamentals.

Rodent Management

Brodifacoum Formulations

Jaguar® All-Weather Bait Chunx

0.005% Brodifacoum

Jaguar Rodenticide - Pellets

0.005% Brodifacoum

Bromethalin Formulations

Motomco Mole Killer

0.025% Bromethalin

Rampage® All-Weather Bait Chunx

0.01% Bromethalin

Rampage Rodenticide Place Pacs

0.01% Bromethalin

Tomcat® Mouse Killer

0.01% Bromethalin

Bromodialone Formulations

Hawk® All-Weather Bait Chunx

0.005% Bromodialone

Hawk Rodenticide - Pellets

0.005% Bromodialone

Hawk Rodenticide RTU Place Pacs

0.005% Bromodialone

Cholecalciferol Formulations

Agrid3® Bait Chunx® *OMRI Listed*

Cholecalciferol rat and mouse bait kills Norway rats, roof rats and house mice. All weather formula resists mold and moisture. May be used indoors or out.

Diphacinone Formulations

P.C.Q.® Ag Pelleted Bait

0.005% Diphacinone

P.C.Q.® Pelleted Rodent Bait

0.01% Diphacinone

Tomcat All-Weather Rodent Block

0.005% Diphacinone

Zinc Phosphide Formulations

Eraze™ Ag

2% Zinc phosphide

ZP® AG Oats

2% Zinc phosphide

ZP AG Pellets

2% Zinc phosphide

Aquatic Algaecides

Aquatic/Algaecides

Copper Sulfate Crystals (Chem One)

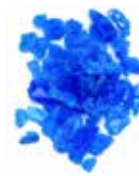
99% copper sulfate pentahydrate (25.2% copper metallic). Water soluble crystals available in various sizes.



Copper Sulfate 25%
Fine 200



Copper Sulfate 25%
Small



Copper Sulfate 25%
Medium



Copper Sulfate 25%
Large

Adjuvants, Application Aids and Utility Solutions

CPDA Certified Products

BRANDT is a proud participant in the Council of Producers & Distributors of Agrotechnology (CPDA) Adjuvant Certification Program. CPDA certification ensures that these adjuvants meet the quality and standards set by the CPDA. Products certified under this program must meet 17 separate benchmarks that are based on technologically and scientifically derived definitions and standards.

Adjuvants

Stickers

BRANDT Organics S-K-H Sticker *OMRI Listed*

Premium dry sticker. Enhances the effectiveness of pesticides and fertilizers. Helps the spray application adhere to the target and resist rain/irrigation wash-off.

BRANDT Umbrella

Spreader/sticker enhances the efficacy of foliar applied pesticides and pre-emergent herbicide. Improves spreading and forms a rain fast film that keeps the spray application on the plant. Adheres pre-emergent herbicides to the soil, which may reduce leaching.

Non-Ionic Surfactants

BRANDT Magnify *CPDA Certified*

Non-ionic surfactant and water conditioner. Contains ammonium ions to improve activity, wetting, spreading and penetration. Designed for use with herbicides, defoliant and desiccants that require ammonium sulfate/nitrate and a surfactant. Recommended for use with glyphosate, paraquat and sulfonyl urea herbicides.

BRANDT No Foam A

General purpose, low foam non-ionic surfactant and activator. Improves foliar wetting and enhances spray application efficacy. Humectant properties slow the dry down of the spray application.

BRANDT Organics Ag Aide *OMRI Listed*

Non-ionic surfactant containing 100% *Yucca schidigera* extract. Enhances the activity of pesticides and foliar nutrients. Foliar applications provide rapid wetting and improve absorption. Soil applications increase water penetration and wetting of hydrophobic soils.

BRANDT Ultra 90

General purpose, low foam non-ionic surfactant and activator. Improves foliar wetting and enhances spray application efficacy. Humectant properties slow the dry down of the spray application.



Silicone Based Surfactants

BRANDT 719 Spreader *OMRI Listed*

Proprietary non-ionic surfactant/wetting agent that contains trisiloxane alkoxyolate. Improves pesticide spray coverage and uptake. Prevents evaporation and runoff that can occur with traditional organosilicone agents. May be used at a lower rate than conventional non-ionic surfactants.

BRANDT Super Wetter *OMRI Listed*

Highly effective non-ionic surfactant/penetrant. Contains 100% organo-modified siloxane, which may be used with spray oils and EC formulations. Reduces spray application surface tension to allow better coverage, wetting and faster absorption.

Vegetable Oil Concentrates

BRANDT M.S.O. (Methylated Seed Oil)

CPDA Certified

High quality activator/penetrant that contains 15% surfactant versus the 10% typically found in competitive products. It provides superior wetting and spreading to maximize pesticide application efficacy. Recommended as an alternative to nonionic surfactants and petroleum crop oils.

BRANDT Sidekick™

Non-ionic surfactant and sticker that contains 93% cottonseed oil emulsion. Improves pesticide application coverage, deposition and canopy penetration. Helps reduce application evaporation. Ideal for aerial and ground applications with low water volume.

Crop Oil Concentrates

BRANDT Crop Oil *CPDA Certified*

Non-ionic surfactant that contains 83% petroleum oil. Improves foliar absorption of herbicides and systemic fungicides.



Multi-Functional Adjuvants

BRANDT Super 7 *CPDA Certified*

Multi-function surfactant, penetrant, deposition aid and acidifier. Decreases application surface tension to improve deposition, coverage, penetration and efficacy. Reduces spray drift and lowers pH of the spray solution to prevent alkaline hydrolysis of pesticides sensitive to high pH.

BRANDT® Torpedo® *CPDA Certified*

Multi-function non-ionic surfactant, penetrant and deposition aid. Designed for use with pesticides when a non-ionic surfactant, crop oil concentrate, or methylated seed oil is required. The formulation is pH neutral and works well with systemic chemistries. It decreases surface tension of the spray application to improve deposition, coverage and penetration. Helps reduce drift.

Acidifier & Buffering Agents

BRANDT pH Adjust

Citric acid based acidifier and buffering agent. Lowers pH of spray solutions where phosphoric acid or other strong acids are undesirable.

Irrigation Aids & Soil Penetrants

BRANDT® SoilStay™

Powder grade polyacrylamide soil stabilizer. Used to manage erosion caused by irrigation run off and improve water infiltration.

Drift Reduction Agents

38-F

32% polyacrylamide polymer used as drift retardant additive. May be used in aerial and ground pesticide applications.

41-A

30% dry-flowable polyacrylamide, polysaccharide polymer used as drift retardant additive. May be used in aerial and ground pesticide applications.

BRANDT OnSite

1% polyvinyl polymer deposition aide and drift control agent. Improves spray deposition, crop canopy penetration and reduces drift. Compatible with all glyphosate formulations and most water soluble, emulsified and wettable powder pesticides.

Spray Pattern Indicators

BRANDT® Big Foot® Blue

Blue colorant and temporary spray pattern indicator. Used on turf, landscape and non-crop use sites. *Also available in a super strength concentrate (BRANDT Big Foot SS) and water soluble bags (BRANDT Big Foot WSB).*

BRANDT Big Foot Green SS

Super concentrated, professional applicator's grade temporary colorant solution designed to be used to mark commercial spray solutions. Great for use with herbicides and pesticides.

BRANDT Big Foot Red SS

Concentrated red colorant and temporary spray pattern indicator. Used with herbicides and fertilizers. Designed to replace rhodamine red dyes.



Utility Adjuvants & Application Aids

BRANDT Insect Bait

Liquid insect bait containing corn-based protein and sugar. Attracts insect to the target application site. Enhances the effectiveness of certain agricultural insecticide applications. Listed on the UC Integrated Pest Management website for walnuts.

BRANDT Odor Mask

Contains methyl salicylate (oil of wintergreen) to mask undesirable pesticide odors.

BRANDT Organics Defoamer *OMRI Listed*

Premium silicone based anti-foaming agent. Prevents and treats foam in the tank mix.

BRANDT Pesticide Equipment Cleaner

Effective, all-purpose tank and equipment cleaner. Decontaminates spray rigs and storage tanks. Removes residual pesticides.

BRANDT Tripleline Defoamer

High quality silicone based anti-foaming agent. Prevents and treats foam in the tank mix.

Tank Mixing Sequence

Add different formulation types in the sequence indicated below.* Allow time for complete mixing and dispersion after addition of each product.

- Water soluble bags
- Water dispersible granules
- Wettable powders
- Water based suspension concentrates
- Water-soluble concentrates
- Oil based suspension concentrates
- Emulsifiable concentrates
- Adjuvants, surfactants and oils
- Soluble fertilizers
- Drift retardants

**Unless otherwise specified by manufacturer directions for use or by local experience.*

Spray Tank Cleaning Tips

Prior to application, always start with clean, well maintained application equipment. Immediately following application, thoroughly clean all spray equipment to reduce the risk of forming hardened deposits which might become difficult to remove or effect sprayer efficiency.



BRANDT Adjuvants Quick Reference Guide

Product	Use Rate	Description	Acidifier Buffer	Deposition Aid	Drift Control	Penetrant	Spreader	Sticker	Water Conditioner	Utility	OMRI Listed
38-F	3-5 oz/ 100 gal	32% polyacrylamide polymer		●	●					●	
41-A	2-5 oz/ 100 gal	30% flowable dry polyacrylamide /polysaccharide polymer		●	●					●	
BRANDT 719 Spreader	6-12 oz/ 100 gal	Non-ionic wetting agent, spreader, and penetrant				●	●				●
BRANDT Crop Oil	1-4 pts/ 100 gal	83%/17% crop oil concentrate				●	●				
BRANDT Indicate 5	5-32 oz/ 100 gal	Non-ionic surfactant pH indicator and acidifier	●				●		●		
BRANDT Inhance	3-5 qts/ 100 gal	Liquid AMS water conditioner							●		
BRANDT Insect Bait	2-8 pts/ acre	Enhances effectiveness of certain ag insecticides								●	
BRANDT InSpray 90	1/2-4 pts/ 100 gal	90% active non-ionic surfactant and activator					●				
BRANDT Magnify	1-4 qts/ 100 gal	Non-ionic surfactant and water conditioner					●		●	●	
BRANDT M.S.O.	1/2-2 pts/ 100 gal	100% active modified vegetable oil concentrate		●		●	●				
BRANDT No Foam A	1/2-2 pts/ 100 gal	Non-ionic surfactant/activator					●				
BRANDT OnSite	1-5 qts/ 100 gal	1% polyvinyl polymer, deposition aid and drift retardant		●	●					●	
BRANDT Organics Ag Aide	4-16 oz/ 100 gal	Non-ionic, 100% <i>Yucca schidigera</i> extract surfactant				●	●				●
BRANDT Organics Defoamer	1/2-2 oz/ 100 gal	Antifoaming agent								●	●
BRANDT Organics S-K-H Sticker	3/4-2 lbs/ 100 gal	Premium dry sticker						●			●
BRANDT pH Adjust	1/2-1 pt/ 100 gal	Citric acid based acidifier/ buffering agent	●							●	
BRANDT Sidekick	1-2 qts/ 5-20 gal	Non-ionic surfactant, sticker with cotton seed oil emulsion		●		●	●	●			
BRANDT Super Wetter	3-6 oz/ 100 gal	Premium 100% organo-modified siloxane spreader				●	●				●
BRANDT Super 7	1/2-2 pts/ 100 gal	Surfactant, penetrant, deposition aid and acidifier	●	●	●	●	●				
BRANDT Torpedo	1/2-2 pts/ 100 gal	pH neutral deposition aid, non-ionic surfactant and penetrant		●	●	●	●				
BRANDT Tripleline Defoamer	1/2-2 oz/ 100 gal	Antifoam/defoaming agent								●	
BRANDT Ultra 90	1/2-4 pts/ 100 gal	Non-ionic surfactant and activator					●				
BRANDT Umbrella	4-16 oz/ acre	Non-ionic surfactant/terpene resin sticker					●	●		●	

*Always read and follow label instructions

Hydrology Irrigation Aids



Hydrology Irrigation Aids

Peragreen® 5.6% *OMRI Listed*

Peragreen 5.6% is a peroxyacetic acid-based microbiocide. Disinfects and sanitizes irrigation water. Controls bacteria, slime, odor and algae.

Peragreen 15% *OMRI Listed*

Peragreen 15% is a peroxyacetic acid-based microbiocide. Disinfects and sanitizes irrigation water. Controls bacteria, slime, odor and algae.

BRANDT Drip-Rite® 1000

One time system flush for irrigation systems to treat mineral deposits caused by hard water.

BRANDT Drip-Rite 2500

Preventative treatment for mineral deposits in drip irrigation systems.

BRANDT Drip-Rite 3000

Preventative treatment for mineral scale and calcium deposits in drip irrigation systems.

BRANDT Drip-Rite 6000

Eliminates and prevents rust in drip irrigation systems.

Drip-Rite 4000

Algaecide and bactericide. Suppresses odors and toxic gas in ponds. Controls algae and bacteria in ponds, reservoirs, and other irrigation water systems.



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BRANDT®