



Affinity Bio Technologies

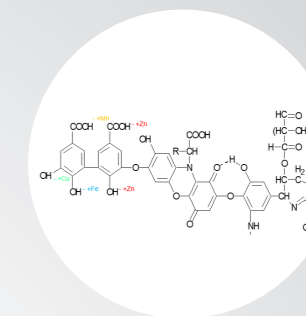
Quality, Experience, Passion

PRODUCT OVERVIEW

“Affinity Bio Technologies exist to provide the highest quality liquid fertilisers at the lowest possible price”



Affinity Complex Organically Chelated Range



“In this ultra-competitive market in which we operate, with the rising input costs and the demand to do more with less, having the support of Affinity Bio Technologies gives us piece of mind that we are getting the best value for our nutritional inputs. Having the ability tailor liquid fertilizers to our specific needs based on our yearly soil testing results ensures that our applications are as efficient and cost effective as possible.”

- Tim Warren, Superintendent, Glenelg Golf Club, SA



Affinity Bio Technologies (ABT) was developed to deliver high quality liquid fertilisers to farmers without the inflated margins or mysterious claims that often accompany many commercial products in the market place.

ABT liquid formulation is based on proven recipes, most of which are standard recipes in the market. ABT sets itself apart from competitors by using specialized chemical production consultants and machinery that ensures its quality is second to none- the products are produced by highly technical and experienced chemists.

ABT formulations are based on recommendations by academic plant physiologists and soil chemist. The formulations we know will bring physiological value to your crop, delivering improved yield, quality and disease resistance.

ABT uses organic acids that are proven to act as organic chelates and complexing agents. However with significant variance in the organic acid quality in the market place, ABT uses strict protocol to ensure maximum quality without the inflated margin.

Affinity Bio Technologies
Quality, Experience, Passion

Affinity Complex ZMC Organic Chelate
Concentrated zinc, manganese and copper liquid fertiliser combined with organic acids for maximum effectiveness.

CAUTION: Avoid contact with eyes. Keep out of reach of children. If swallowed seek medical advice.

Do not store in direct sunlight.

CONDITIONS OF SALE: Affinity products are manufactured to strict specifications. Affinity takes no responsibility for product damage, loss, injury or misuse of the product.

COMPATIBILITY: Affinity Complex ZMC is compatible in most ag. chem tank mixes. However it is not recommended to mix with some chemicals that can react. Do not mix amines or calcium products.

Do not store mixed product. Mix well prior to use. Refer to SDS for correct handling and safety protocol.

Affinity Liquid Fertilisers works best when plants are actively growing and under reduced stress. Apply mid morning in dry conditions for best results. Do not spray in hot conditions. For best results consult a certified agronomist to determine crop deficiencies.

ANALYSIS

| | |
|-----------|------|
| Zinc | 7.1% |
| Manganese | 5.5% |
| Copper | 1.1% |
| Sulphur | 7.2% |

DO NOT EXCEED RECOMMENDED APPLICATION RATES

Foliar Applications: Multiple applications may be required, 7-10 days apart. Avoid spraying over flowering.

Rate Range: 1.0 - 2.0 L/ha. Post harvest, pre-flowering and pre-harvest as required.

Vegetables: 1.0 - 2.0 L/ha. As required.

Vine crops: 1.0 - 2.0 L/ha. Pre-flower pre-harvest and post-harvest.

Broadacre crops: 1-40 per hectare. Vines, vegetable and tree crops: 40 per hectare.

Fertigation / Soil Applications: 5-10 L/ha.

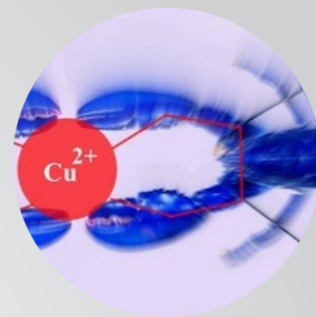
Never spray flowers with more than 4% of solution. For example for every 100L of water you can apply 4L of liquid fertiliser.

PROUDLY MADE IN AUSTRALIA FOLIAR 20L 200L 1000L



Affinity complex organic chelates use the proven scientific formulations to ensure the optimal value for money and plant available nutrients. Affinity chooses to use fulvic acid as its organic complexing agent as it has the highest affinity (chelation charge) of all similar products along with a molecule size that is not too big for plant effectiveness. Other adjuvants such as lignosulphonates and amino acids act in similar fashion but based on research affinity chooses to use premium grade fulvic acid for maximum effectiveness.

Affinity Complex Organically Chelated Range



Affinity Complex Specialty Range - Biostimulants



"Affinity Biotech is a fantastic company with some fantastic products. The knowledge of their products is second to none. This is a company that wants to work with their growers and get the best possible outcome."

- Nick Brain- Broad Acre Farmer, Victoria

| Product Name | Product | Analysis |
|--|---|----------------------------------|
| Affinity Complex Iron 6% | Organically Chelated Liquid Iron using premium grade high load Fulvic Acid | 6%Fe complex |
| Affinity Complex Mang 15% | Organically Chelated Liquid Manganese using premium grade high load Fulvic Acid | 15%Mn complex |
| Affinity Complex Zinc 7.5% / Mang 7.5% | Organically Chelated Liquid Zinc and Manganese using premium grade high load Fulvic Acid | 7.5%Zn, 7.5%Mn complex |
| Affinity Complex Zinc 15% | Organically Chelated Liquid Zinc using premium grade high load Fulvic Acid | 15%Zn complex |
| Affinity Complex Copper 6% | Organically Chelated Liquid Copper premium grade high load Fulvic Acid | 6% Copper complex |
| Affinity Complex ZMC | Organically Chelated Liquid Zinc, Copper, Manganese using premium grade high load Fulvic Acid | 7.1%Zn, 5.5%Mn, 1.1%Cu |
| Affinity Complex ZMC plus Moly | Organically Chelated Liquid Zinc, Copper, Manganese with added Moly using premium grade high load Fulvic Acid | 7.1%Zn, 5.5%Mn, 1.1%Cu, 0.025%Mo |
| Affinity Calcium Complex 16% | Organically Chelated Calcium for improved uptake, calcium mobilisation and metabolism | 16% Calcium Complex |
| Affinity Boron 15% | A complexed boric acid formulation for improved boron uptake, mobilisation and metabolism | 15% Boron, 6% Phosphorus |
| Affinity MolyPhos 25% | A complexed Molybdenum formulation for improved boron uptake, mobilisation and metabolism | 25% Molybdenum, 10% Phosphorus |

| Product Name | Product | Analysis |
|----------------------------|--|--|
| Affinity Active Humate 12% | 12% Humic Acid | 12% humic acid (tested A&L- CDFA method) |
| Affinity Natural Kelp | 100% naturally fermented kelp, produced in Australia | Liquid kelp concentrate |
| Affinity Fulvic Acid 10% | Premium grade liquid fulvic acid concentrate 10% | 10% Fulvic Acid solution |
| Affinity Biotic Plus | Specifically isolated beneficial microbiotic solution formulated by world renown microbiologists to improve soil health, increase mineralisation and nutrient efficiency. Affinity Biotic Plus has a unique extraction method that ensure maximised performance and quality assurance. | |

Biostimulants overview

The scientific definition of a biostimulant is one of the following-

- Fulvic or humic acid
- Amino acid
- Seaweed extract (kelp)
- Biological inoculant

In a market where there is zero regulation of inputs Affinity bio-stimulants are quality assured. With external testing of product quality our range comes with quality assurance.

Affinity Active Humic Acid



Affinity Liquid Kelp



“Simon Tolley Wines and Tolley Viticulture are producers and contractors of high quality South Australian wines. The nutritional aspects of our production is critical to ensure our wine quality reaches the high standards our brand requires. We have worked with Ryan and the team at Affinity for a number of years and happily endorse the expertise provided along with the quality of products they produce.”

-Simon Tolley, Viticulturist and Director, Simon Tolley Wines / Tolley Viticulture, SA

Affinity Active Humic Acid

Humic acid should be applied as a stand alone soil addition or mixed only with UAN or urea to improve nitrogen efficiency. Affinity Active Humic Acid will improve nutrient efficiency, mobilisation and plant metabolism. It will assist with improved root growth, soil structure and act as a biological stimulant for greater nutrient mineralisation and pathogen resistance. Affinity Active Humic Acid is tested for quality assurance to ensure you are maximizing return on investment.



Affinity Natural Kelp

Affinity Natural Kelp is a natural organically fermented kelp that can be applied in acid based solutions. Kelp is the fastest growing plant on earth due to its hormonal make up. The use of Affinity Natural Kelp will improve root growth, plant health and resistance to stress. The natural fermentation process ensures tank mix compatibility and maximum return on investment as it is a more desirable carbon source as a biostimulant.



Affinity Biotic Plus / Affinity Fulvic Acid



Affinity Complex Physiological Range



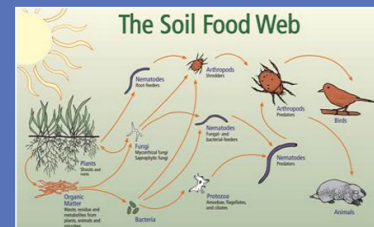
“Ryan Sheridan and all at Affinity Bio Technologies have great service and great products, nothing is too much trouble, no matter how small the task. Their products are of high quality without the high price tag! Thank you guys”

- Jacqueline Akers,
Director,
Akers of Lawn, SA



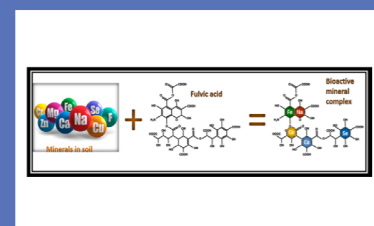
Affinity Biotic Plus

Affinity Biotic Plus is scientifically formulated to specialise in mineralisation of nutrients and the decomposition of organic material. This is designed to assist with improving the value of organic matter and assisting low organic soils. With included bio stimulants kelp and humic acid Affinity Biotic Plus is an all rounder that can be included in most fertilising programs to ensure the biological aspects of soil health is covered. Affinity Biotic Plus sets itself apart from other products as the formulation is about isolation of multiple species and proliferating under a diverse set of conditions to ensure the applied biology is ready to thrive in whatever conditions they are introduced. Essentially the biology in Affinity Biotic Plus are trained to become super biology to ensure other certain plant root symbiosis, mineralisation and pathogen resistance.



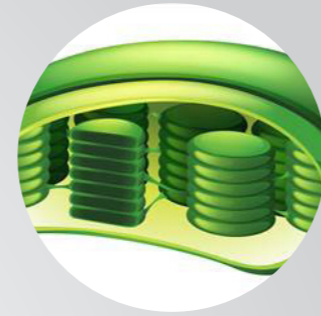
Affinity Fulvic Acid

We recommend the use of fulvic acid with acid based solutions that will improve nutrient uptake and mobilization. Fulvic acid is recognized as the most effective organic complexing agent. As an addition to your cation (positive charged nutrients) liquid solutions you will deliver far better nutrient uptake, translocation and metabolism. Affinity Fulvic Acid is sourced from the most premium suppliers in the world with a strict quality control process.



| Product Name | Product | Analysis |
|----------------------|--|---|
| Affinity Pulse | High load P plus high Zn and Mo for N fixation. Also high Mn and Cu for cereals. Added Kelp combined with elements for improved root flushing and mineralisation. | 9%P, 5.25%Zn, 4%Mn, 0.5%Cu, 0.025%Mo with kelp and fulvic acid |
| Affinity Power | High load P plus Zn, Mn, Cu, Mg and Mo. Excellent preflowering energy provider and stress response. Added Kelp combined with elements for improved root flushing and mineralisation. | 9%P, 3%Mn, 3%Zn, 0.53%Fe, 0.53%Mg, 0.55%Cu, 0.025%Mo, plus kelp and fulvic acid |
| Affinity Turf | 10%N with organically chelated 2%Fe, 1%Mn, 1%Mg, 0.5%Zn, 0.01%Mo and high load of kelp and fulvic acid. | 10%N, 2%Fe, 1%Mn, 1%Mg, 0.5%Zn, 0.01%Mo and high load of kelp and fulvic acid |
| Affinity P Trace | A high phosphate and high zinc, manganese and copper mix chelated with fulvic acid. | 17.5% P, 3.55% Zn, 2.75% Mn, 0.55% Cu organically chelated. |
| Affinity HydroCAL | Fermented soluble Calcium 12%- 6% readily available. Molasses, Kelp and fulvic acid base with trace elements. Proven to reduce the impact of sodium and water soluble salts that impact water use efficiency. | 12% soluble Ca plus molasses amino acids and trace elements |
| Affinity Germinator | A high level seed zinc with added manganese, copper and molybdenum. Combined with rooting hormones and fulvic acid for improved uptake and efficiencies. | 11%Zn, 1Mn, 0.25%Cu, 0.025%Mo with rooting hormones and organic chelates |
| Affinity Seed | An all round seed formulation designed to improve early root development. With high phosphates and trace elements the formulation is the most efficient method of applying elements to your crop. | 9%P, 5.25%Zn, 4%Mn, 0.5%Cu, 0.025%Mo with rooting hormones and organic chelates |
| Affinity P- Trace | A high analysis phosphate liquid with organically chelated zinc, manganese and copper. Excellent in furrow planting fertiliser. | 18.5%P as phosphoric acid with organically chelated 3.55%Zn, 2.75%Mn, 0.55%Cu |
| Affinity Sti-MO-Late | Specifically formulated tank mix adjuvants derived from organic acids to assist with chelation, nutrient metabolism root growth and plant health. A maintenance level of molybdenum for improved crop proeti and growth. | 0.5% Molybdenum n a concentrate of 99.8% Durvillaea potatorum |
| Affinity Activate | A tank mix adjuvant to improve the effectiveness and uptake of applied trace elements along with improved stress resistance. | A mix of fulvic acid and Durvillaea potatorum |

Affinity Power



Affinity Pulse



“I used Affinity seed this year and will use it again. I could visually see the benefits after germination. At only a few dollars per hectare, it really is a no brainer.”

- Ben Boxsell, Gunnedah

“I used Affinity Seed on my cereals for the past couple of years. I am very happy with the product. It is effective and easy to use.”

- Nathan Todd, Culburra

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Affinity Power

High phosphate and trace element mix combined with a high load of organic acid. Excellent for pre flowering and stress conditions.

CAUTION: Avoid contact with eyes. Keep out of reach of children. If swallowed seek medical advice.

DO NOT STORE IN DIRECT SUNLIGHT.

CONDITIONS OF SALE: Affinity products are manufactured to strict specifications. Affinity accepts responsibility for product damage, loss, injury or misuse of the product.

COMPARABILITY: Affinity Power is comparable to some agricultural chemicals. However a jar test is recommended as some chemicals can react. Do not mix amines or calcium products.

DO NOT STORE MIXED PRODUCT. MIX WELL PRIOR TO USE. REFER TO SDS FOR CORRECT HANDLING AND SAFETY PROTOCOL.

ANALYSIS

| | |
|------------|--------|
| Phosphorus | 9% |
| Manganese | 3% |
| Zinc | 3% |
| Iron | 0.53% |
| Magnesium | 0.53% |
| Copper | 0.53% |
| Molybdenum | 0.025% |

Minimum 10% of solution is Kelp and Fulvic Acid

APPLICATION RATES

Application: Do not apply at flowering.

Viewyard: 5L/ha in a minimum of 500L of water. Repeat 2-3 times.

Orchard Crops: 5L/ha in a minimum of 500L of water. Repeat 2-3 times.

Broadacre crops: Apply 3-5 L/ha with 50-100L of water per ha.

Vegetables: 5L/ha in a minimum of 500L of water. Repeat 2-3 times. Repeat every 2-3 weeks during growing season. Heavy spring rains with more than 4% of solution. For example for every 1000L of water you can apply 40L of liquid fertiliser.

Affinity Liquid Fertilisers
Phone: (08) 8267 4774
www.affinitybiotech.com.au

PROUDLY MADE IN AUSTRALIA | FOLIAR | 20L | 200L | 1000L

Affinity Power

Scientifically formulated to increase plant energy essential for key metabolic stages such as seeding and flowering. As a high level of organic acids (10%) kelp and fulvic acid Affinity Power has the biological capacity to trigger root flushing and nutrient metabolism. The addition of phosphates in the highly plant available form will ensure energy production is maximized. Combined with chelated trace elements Affinity Power is the perfect generic application for key growth stages or as a response to biotic or abiotic stress. For generic application apply early in crop cycle and 2 weeks prior to flowering. Affinity Power contains no calcium, however the product will increase calcium uptake due to its ability to trigger root movement (see website for notes on calcium uptake in crops).



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Affinity Pulse

A tailored product to suit the specific needs of legume and pulse crops. High phosphates, zinc and molybdenum with copper and manganese combined with organic chelators and stimulants.

CAUTION: Avoid contact with eyes. Keep out of reach of children. If swallowed seek medical advice.

DO NOT STORE IN DIRECT SUNLIGHT.

CONDITIONS OF SALE: Affinity products are manufactured to strict specifications. Affinity accepts responsibility for product damage, loss, injury or misuse of the product.

COMPARABILITY: Affinity Complex is comparable to some agricultural chemicals. However a jar test is recommended as some chemicals can react. Do not mix amines or calcium products.

DO NOT STORE MIXED PRODUCT. MIX WELL PRIOR TO USE. REFER TO SDS FOR CORRECT HANDLING AND SAFETY PROTOCOL.

ANALYSIS

| | |
|------------|--------|
| Phosphorus | 9% |
| Manganese | 4% |
| Zinc | 4.25% |
| Copper | 0.5% |
| Molybdenum | 0.025% |

Minimum 10% of solution is Kelp and Fulvic Acid

APPLICATION RATES

Application: Do not apply at flowering.

Viewyard: 5L/ha in a minimum of 500L of water. Repeat 2-3 times.

Orchard Crops: 5L/ha in a minimum of 500L of water. Repeat 2-3 times.

Broadacre crops: Apply 3-5 L/ha with 50-100L of water per ha.

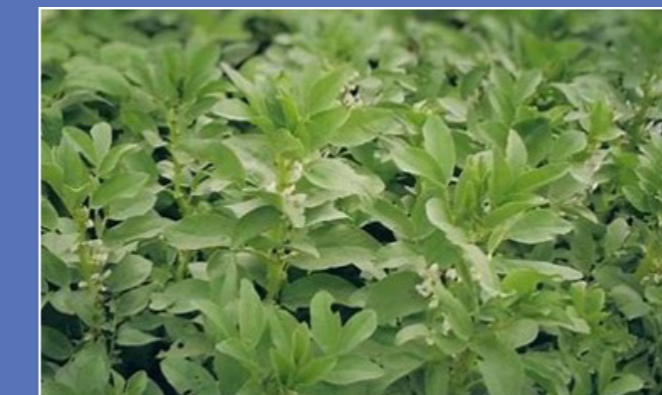
Vegetables: 5L/ha in a minimum of 500L of water. Repeat 2-3 times. Repeat every 2-3 weeks during growing season. Never spray leaves with more than 4% of solution. For example for every 1000L of water you can apply 40L of liquid fertiliser.

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PROUDLY MADE IN AUSTRALIA | FOLIAR | 20L | 200L | 1000L

Affinity Pulse

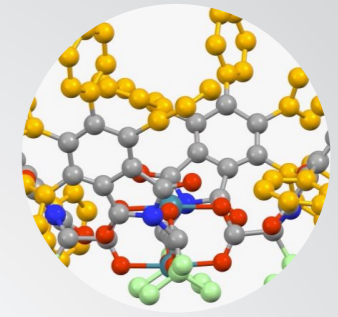
Pulse crops have specific physiological needs that are directly related to enhanced root performance. Pulse crops naturally fix carbon (as with all crops) and exude organic sugars through its roots to feed beneficial microbes including rhizobium bacteria. The mix of high phosphates and zinc (directly related to root growth), trace elements (related to sugar production, cell division and sugar transfer) will ensure maximum energy production for your crop in all conditions. The added molybdenum will assist with increased nitrogen fixation for maximized growth and protein development. As with Affinity Power, Affinity Pulse will trigger improved root growth and calcium uptake efficiency). High iron, manganese and magnesium will ensure a dark green colour.



Affinity P-Trace



Affinity Activate / Affinity StiMOLate



“Affinity Seed is a great product. We have used it for a few years and can visually see the benefits. My agronomist agrees that there it is definitely worth while using.”

- Bryce Stephens,
Yarrawonga, Victoria.

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Affinity P-Trace

High phosphate with organically chelated zinc, copper and manganese.

CAUTION: Avoid contact with eyes. Keep out of reach of children. If swallowed seek medical advice.

Do not store in direct sunlight.

CONDITIONS OF SALE: Affinity products are manufactured to strict specifications. Affinity takes no responsibility for product change, loss, injury or misuse of the product.

COMPATIBILITY: Affinity P-Trace is compatible with most ag. chem tank mixes. However a jar test is recommended as some chemicals can react. Do not mix with any other products.

Do not store mixed product. Mix well prior to use. Refer to SDS for correct handling and safety protocol.

ANALYSIS

| | |
|------------|-------|
| Phosphorus | 22% |
| Zinc | 3.55% |
| Manganese | 2.75% |
| Copper | 0.55% |

APPLICATION RATES

In furrow / Fertigation

Apply at 50-200 ml/ha (or higher) with minimum water rate of 20L for every litre applied (1:100). Affinity P-Trace requires 200L of water.

Affinity Bio Technologies
Phone: 0499 112 093
www.affinitybiotech.com.au

PROUDLY MADE IN AUSTRALIA | FOLIAR | 20L | 200L | 1000L

Affinity P-Trace

Affinity P Trace uses phosphoric acid to ensure maximised phosphate metabolism and plant availability. As with other key products from the Affinity Physiological range, the combination of phosphate and trace elements is an excellent method to improve plant energy. Affinity P-Trace is designed for situations where phosphate availability and key cations are immobile and not plant available. With the addition of organic chelates Affinity P-Trace will be more plant available and be readily metabolised by your crop. P-Trace is suitable for foliar, fertigation and in furrow application.



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Quality, Experience, Passion

Affinity Sti-MOL-ate

A hormonal root and biological stimulant combined with molybdenum phosphate complex for improved molybdenum uptake and metabolism.

CAUTION: Avoid contact with eyes. Keep out of reach of children. If swallowed seek medical advice.

Do not store in direct sunlight.

CONDITIONS OF SALE: Affinity products are manufactured to strict specifications. Affinity takes no responsibility for product change, loss, injury or misuse of the product.

COMPATIBILITY: Affinity Sti-MOL-ate is compatible in most ag. chem tank mixes. However a jar test is recommended as some chemicals can react. Do not mix with any other products.

Do not store mixed product. Mix well prior to use. Refer to SDS for correct handling and safety protocol.

ANALYSIS

| | |
|--|------|
| Durvillea potatorum (Tasmanian Bull Kelp) liquid concentrate | 0.5% |
| Molybdenum | 0.5% |

Affinity Bio Technologies
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Email: info@affinitybiotech.com.au
www.affinitybiotech.com.au

PROUDLY MADE IN AUSTRALIA | FOLIAR | 20L | 200L | 1000L

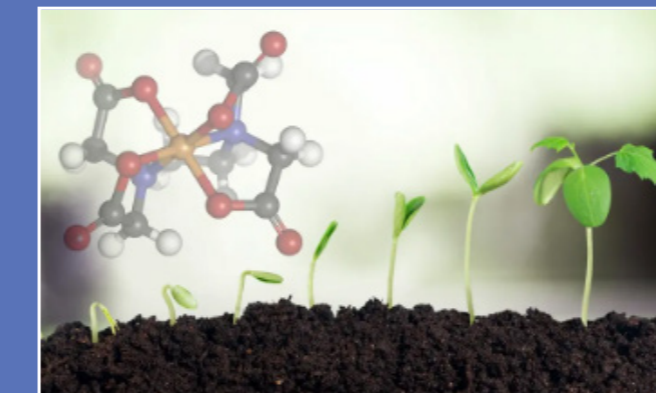
Affinity Activate Chelating Agent

Affinity Activate is formulated to assist those mixing their own solutions on farm. Most farmers agree that a chelated product is a better solution than an unchelated comparison. Affinity Activate enables farmers to produce their own chelated product on farm.

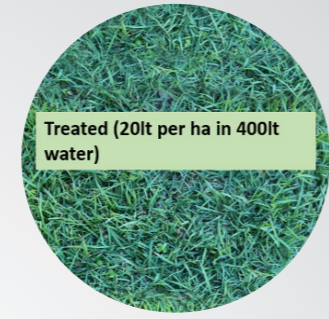
Affinity Activate is specifically formulated with organic chelating adjuvants, kelp, fulvic acid and leaf penetrating agents. The addition of Affinity Activate will improve nutrient uptake, nutrient metabolism and root growth.

Affinity Sti-MOL-ate

Affinity Sti-MOL-ate is a unique blend of natural plant rooting hormones (auxins and cytokinins extracted from Tasmanian Bull Kelp- Durvillea potatorum) and a molybdenum phosphate complex. Scientifically formulated as a broad acre tank mix adjuvant to improve crop root growth in conjunction with a maintenance application of molybdenum. Affinity Sti-MOL-ate plant hormones, amino acid builders and plant health minerals will give your foliar tank mix solution a new dynamic that your crop will reward you for!



Affinity Turf



Treated (20lt per ha in 400lt water)



Untreated

Affinity DuraSEAL



Affinity Bio Technologies
Quality, Experience, Passion

Affinity Turf

A tailored product specifically designed for optimal turf maintenance. Nitrogen combined with trace elements and organic stimulants ensure improved colour and root growth.

CAUTION: Avoid contact with eyes. Keep out of reach of children. If swallowed seek medical advice.

DO NOT STORE IN DIRECT SUNLIGHT.

CONDITIONS OF SALE: Affinity products are manufactured to strict specifications. Affinity takes no responsibility for product damage, loss, expiry or misuse of the product.

COMPATIBILITY: Affinity Turf is compatible in most agricultural mixes. However, a jar test is recommended as some chemicals can react. Do not mix with ammoniacal products. Do not store mixed product. Mix well prior to use. Refer to SDS for correct handling and safety protocol.

ANALYSIS

| | |
|------------|--------|
| Nitrogen | 10% |
| Iron | 2% |
| Manganese | 1% |
| Magnesium | 1% |
| Zinc | 0.5% |
| Copper | 0.1% |
| Molybdenum | 0.025% |

Never spray leaves with more than 4% of solution. For example for every 100lt of water you can apply 4lt of liquid fertiliser.

DO NOT EXCEED RECOMMENDED APPLICATION RATES

Turf: 20lt per hectare in max 400lt of water. Alternatively 4lt of total solution (i.e. 4lt per 100lt of water).

Affinity Liquid Fertilisers
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www.affinitybiotech.com.au

PROUDLY MADE IN AUSTRALIA | FOLIAR | 20L | 200L | 1000L

Affinity Turf

Affinity turf has been specifically formulated to trigger root growth with a high level of kelp and fulvic acid. This will enable improved root development. With a high content of nitrogen and specific chelated trace elements, Affinity Turf will increase colour and turf strength. With a high level of biostimulants Affinity Turf will naturally increase phosphate uptake and disease resistance. Many turf products focus on macro nutrients but Affinity turf focuses on micro nutrients relevant to turf growth including copper (nitrogen uptake), zinc (root growth) and molybdenum (nitrogen efficiency). High iron, manganese and magnesium will ensure a dark green colour.



Affinity Bio Technologies
Quality, Experience, Passion

Affinity DuraSeal

A pruning and grafting dressing to provide a physical protection to exposed trunk wounds.

CAUTION: Avoid contact with eyes. Keep out of reach of children. If swallowed seek medical advice.

DO NOT STORE IN DIRECT SUNLIGHT.

CONDITIONS OF SALE: Affinity products are manufactured to strict specifications. Affinity takes no responsibility for product damage, loss, expiry or misuse of the product.

COMPATIBILITY: Affinity DuraSeal is compatible in most agricultural mixes. However, a jar test is recommended as some chemicals can react. Do not mix with ammoniacal products. Do not store mixed product. Mix well prior to use. Refer to SDS for correct handling and safety protocol.

DO NOT EXCEED RECOMMENDED APPLICATION RATES

Turf: 20lt per hectare in max 400lt of water. Alternatively 4lt of total solution (i.e. 4lt per 100lt of water).

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PROUDLY MADE IN AUSTRALIA | FOLIAR | 20L

Affinity DuraSEAL

Affinity DuraSEAL as been specifically formulated to offer a non toxic physical barrier to your pruning wounds. It is viscous and sticky which ensures minimal run and wastage. DuraSEAL is UV resistant and very versatile in its application. For improved wound protection and more efficient application over potentially toxic paints and tars, DuraSEAL is tailored for the job at a similar price point.



Affinity Professionals Services, Custom Mixing and Laboratory Services



Affinity Calcium Range



Affinity Custom Complex
A customised solution tailored for the specific needs of the crop.

| ANALYSIS | % |
|----------|------|
| N | 16.0 |
| P | 16.0 |
| K | 16.0 |
| S | 16.0 |
| Ca | 16.0 |
| Mg | 16.0 |
| Fe | 16.0 |
| Zn | 16.0 |
| Cu | 16.0 |
| B | 16.0 |
| Mn | 16.0 |

PROUDLY MADE IN AUSTRALIA | FOLIAR | 20L | 200L | 1000L

Affinity Custom

Affinity are professional manufacturers. Coupled with high level soil chemistry, sustainability and plant physiology knowledge ABT can supply the best formulation for your needs based on agronomic expertise.

Soil, Tissue and Sap testing

Affinity can deliver laboratory services using ASPAC accredited laboratories. Affinity can also provide professional agronomic advice, ensuring agronomic advice to maximise return on investment for your inputs.

Mixing Tanks and Professional Services

Affinity Bio Technologies are professionals of mixing liquid fertilisers. We are a transparent company and acknowledge that many farmers have mixing capacity on farm. Affinity Bio Technologies can offer professional formulation advice that aligns with your crop and soil type. This includes chemistry formulating and understanding of bio stimulants and chelation mechanisms. We work with manufacturers and can supply mixing tanks, pumps, IBC agitators and other specific equipment to set up you mixing plant.



Affinity 16% Calcium Complex
An organically chelated and readily available form of calcium designed for improved uptake, translocation and metabolism.

| ANALYSIS | % |
|----------|-----|
| Calcium | 16% |

PROUDLY MADE IN AUSTRALIA | FOLIAR | 20L | 200L | 1000L

Affinity 16% Calcium Complex

Affinity 16% Calcium Complex is 100% solublised solution for complete plant availability. Affinity Calcium Complex is suitable for fruit sprays for fruit finishing.

See technical notes on calcium management. Calcium is best absorbed by the plant through the root tip so the use of root stimulant products in conjunction with Affinity Calcium Complex will ensure best results. As calcium is poorly translocated in the plant, the use of Affinity Calcium Complex will ensure improved uptake and plant metabolism of calcium.

Affinity HydroCAL
A highly available form of calcium combined with molasses to improve calcium uptake, displace sodium and improve plant water use efficiency.

| ANALYSIS | % |
|----------|-----|
| Calcium | 32% |

PROUDLY MADE IN AUSTRALIA | FOLIAR | 20L | 200L | 1000L

Affinity HydroCAL

Affinity HydroCAL highly available form of calcium combined with molasses to improve calcium uptake, displace sodium and improve plant water use efficiency. Calcium is proven to displace sodium however many calcium applications are in an insoluble form. HydroCAL acts rapidly and is very effective due to its soluble nature. In conjunction with organic acids and molasses it will improve calcium retention and stimulate root growth for improved calcium uptake.

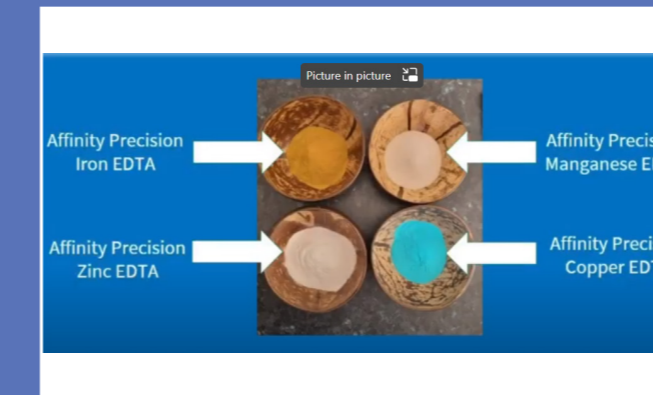
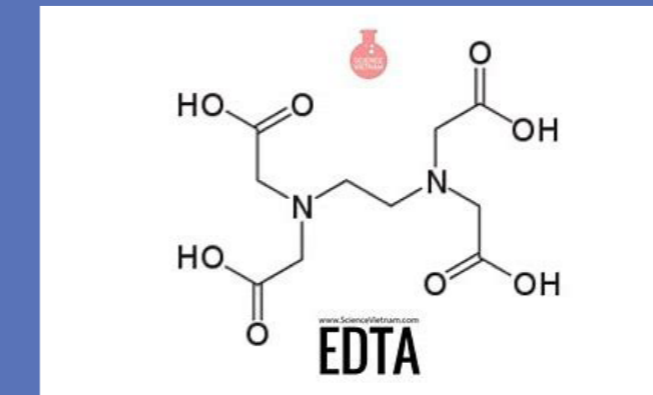
Affinity Loaded Range



Specially formulated, highly loaded liquids

| Affinity Loaded Range W/V% | | | | | | | | | | | | | | | |
|----------------------------|----|------|----|-----|----|-------|-------|------|------|-------|-------|--------|--------|--------|------|
| | N | P | K | S | Ca | Mg | Fe | Mn | Zn | Cu | B | Mo | Co | Fulvic | Kelp |
| Pasture Plus | 21 | | 2 | 0.2 | | 0.002 | 0.002 | 0.2 | 0.5 | 0.002 | 0.001 | 0.003 | 0.0002 | YES | YES |
| Macro Trace | 10 | 8 | 14 | | | 0.01 | 0.02 | 0.05 | 0.02 | 0.02 | 0.02 | 0.0017 | 0.0016 | YES | YES |
| Pure P | | 48.5 | | | | | | | | | | | | NO | NO |
| Super K | | 10 | 10 | 4.7 | | 0.4 | 0.21 | 3.55 | 3.55 | 0.4 | 0.002 | 0.025 | | YES | YES |
| N-Vigorate | 25 | | | | | | | | | | | | | YES | YES |
| Ampol Phos | 16 | 23 | | | | | | | | | | | | NO | NO |
| Smart Vitality | | 17 | | | | 2 | | 6 | 9 | 1.5 | | 0.0025 | | YES | NO |

Affinity Precision Range



High Quality EDTA range. Fully compatible with agricultural chemicals, highly soluble and very stable in all soil conditions.

Elemental analysis (W/W)%

- Affinity Precision Zinc.....14% Zn
- Affinity Precision Manganese.....12% Mn
- Affinity Precision Copper.....14% Cu
- Affinity Precision Iron.....12% Fe
- Affinity Precision ZMC.....6% Zn, 6%Mn, 1.5%Cu

Affinity EDTA range is the product to use if you are concerned about compatibility or burning.

Quality Assurance

1. Batch test completion and sign off.
2. Measurement of specific gravity and total dissolved solids. These tests will ensure the volume of inputs are correct as per required mixing.
3. Lab analysis of samples tested by independent laboratory.
4. All production batches are saved if QA checks if required.



FLUID FERTILISER ANALYSIS RESULTS

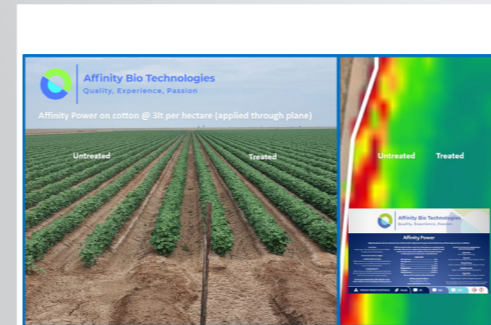
DATE RECEIVED: 08.03.22
 DATE REPORTED: 21.03.22
 AUTHORISED BY: A. BEST

| BAG ID | CONTROL # | ENTER RECEIVED DATE | Analy. No. Ref ID | CUSTOMER NAME (CODE) | CLIENT NAME | SAMPLE ID | Cu % w/v | S % w/v | Zn % w/v | Mn % w/v |
|-----------|-----------|---------------------|-------------------|---------------------------|---------------|-----------|----------|---------|----------|----------|
| 110961331 | | 08.03.22 | 1 | Affinity Bio Technologies | Ryan Sheridan | BB102 | 1.2 | 5.9 | 5.1 | 6.3 |
| 110961332 | | 08.03.22 | 2 | Affinity Bio Technologies | Ryan Sheridan | BB151 | 1.2 | 5.9 | 4.8 | 6.2 |
| 110961333 | | 08.03.22 | 5 | Affinity Bio Technologies | Ryan Sheridan | BB171 | 1.2 | 5.7 | 4.7 | 6.0 |
| 110961334 | | 08.03.22 | 6 | Affinity Bio Technologies | Ryan Sheridan | BB181 | 1.2 | 5.8 | 5.0 | 6.2 |
| 110961335 | | 08.03.22 | 7 | Affinity Bio Technologies | Ryan Sheridan | BB221 | 1.2 | 6.0 | 4.9 | 6.5 |

PRODUCTION ORDER

| PRODUCT | QTY | UNIT | DATE | BY |
|-----------|-----|------|----------|----|
| 110961331 | 1 | kg | 08/03/22 | AB |
| 110961332 | 1 | kg | 08/03/22 | AB |
| 110961333 | 1 | kg | 08/03/22 | AB |
| 110961334 | 1 | kg | 08/03/22 | AB |
| 110961335 | 1 | kg | 08/03/22 | AB |

| ORDER OF ADDITION | RAW MATERIAL | AMOUNT (kg) | FULL BARGE (kg) | Extra Standard (kg) | INITIAL |
|-------------------|--------------------------|-------------|-----------------|---------------------|---------|
| 1 | Water | 2000 | 2000 | | |
| 2 | Water soluble phosphorus | 200 | 200 | 0 | BA |
| 3 | Water soluble sulphur | 200 | 200 | 0 | BA |
| 4 | Water soluble potassium | 200 | 200 | 0 | BA |
| 5 | Water soluble | 200 | 200 | 0 | BA |





Affinity Bio Technologies

Quality, Experience, Passion

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