

## **ONYX – Liquid Range**

**Onyx is an organic plant based liquid fertiliser.**

**Rich, black liquid fertiliser  
Rich in organic matter  
Rich in amino acids**

**Manufactured and processed by GreenBest and then developed into a range of highly effective biostimulants. This unique organic based biostimulant delivers nitrogen, potassium, trace elements and significant levels of amino acids. Produced from concentrated plant extracts that have significant bio-stimulation properties as well as supplying macro and micro nutrients. These all go to greatly reduce stress from weather conditions, mowing and the use of pesticides and fertiliser.**

**The Onyx range all promote an early establishment for new or overseeding as well as increasing the uptake of available nutrients in the soil. Optimizing the use of the nutrients already in the soil has financial benefit for the user as well as brilliant environmental advantages.**

**The liquid range is ideal for golf tees, fairways and surrounds as well as sports pitches, lawn care, general amenity turf and horticulture.**

**Available in 10L, 20L, 200L and 1000L IBC containers.**





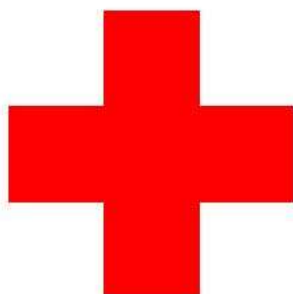
If you could zoom into your turf you would see that it is constantly under stress from the applications of pesticides and fertiliser and due to continuous mowing of the grass. This range of biostimulants has been designed to apply nutrients and other beneficial ingredients to the grass to relieve stress and maintain healthy soil life for optimum grass health. Each product within this range has been especially formulated to enhance specific benefits that the turf needs.



Using these biostimulants throughout the year will give you consistently high quality professional turf. The increased soil health will help the uptake of nutrients when fertilising and repair damaged grass extremely efficiently and cost effectively.



## Onyx Range – Developing a healthy life



Below you can see product information sheets and the benefits of each variety

Product information



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# LIQUID ONYX – Foundation Bio 1

- The Onyx range building block
- Dark black liquid
- Rich in organic matter
- Rich in amino acids (9.2%w/v)
- Derived from sugar cane and cassava

## Product Usage

This is the foundation of the Onyx range and offers an extremely cost effective way to reduce stress and add nutrients.

## Application Period

At any time during the growing period.

## Application Rates

10-20 litres per hectare as a regular biostimulant  
40-60 litres per hectare as a fertiliser feed

Dilute in 300-600 litres of water

## Additional Product Information

Nitrogen	5.3 %
Phosphorus (P2O5)	0.16 %
Potassium (K2O)	2.5 %
Calcium	1 %
pH	5.0
Total Sugars	3.0-6.0 %
Copper	2.8 mg/kg
Iron	149 mg/kg
Manganese	20.1 mg/kg
Zinc	8.4 mg/kg

Produced from concentrated plant extracts, it has significant biostimulation properties as well as supplying macro and micronutrients.

Suitable for tank mixing with most products – please try small scale test before tank mixing

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Amino Acid	Percentage
Aspartic Acid	0.69
Threonine	0.18
Serine	0.13
Glutamic Acid	5.1
Glycine	0.22
Alanine	1.2
Cystine	0.02
Valine	0.26
Methionine	0.19
Isoleucine	0.17
Leucine	0.26
Tyrosine	0.09
Phenylalanine	0.13
Lysine	0.16
Histidine	0.22
Arginine	0.16
Proline	Absent
<b>Total</b>	<b>9.2</b>



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It's all in the mix

# LIQUID ONYX – Manganese Bio 2



- Manganese rich Onyx
- Develops chlorophyll and energy production
- Enhanced green-up
- Combining amino acids and Mn aids protein production
- Correct manganese deficiencies

## Product Usage

The addition of manganese will aid many processes such as energy production through photosynthesis and nitrogen metabolism

## Application Period

At any time during the growing period.

## Application Rates

10-20 litres per hectare as a regular biostimulant  
40-60 litres per hectare as a fertiliser feed

Dilute in 300-600 litres of water

## Additional Product Information

Nitrogen	4.2 %
Phosphorus (P2O5)	0.13 %
Potassium (K2O)	2 %
Calcium	0.8 %
Manganese	1.2 %
pH	5.0
Total Sugars	2.0-5.0 %
Copper	2.2 mg/kg
Iron	119 mg/kg
Zinc	6.7 mg/kg

Produced from concentrated plant extracts, it has significant biostimulation properties as well as supplying macro and micronutrients.

Amino Acid	Percentage
Aspartic Acid	0.56
Threonine	0.10
Serine	0.10
Glutamic Acid	4.10
Glycine	0.18
Alanine	0.10
Cystine	0.02
Valine	0.21
Methionine	0.15
Isoleucine	0.14
Leucine	0.21
Tyrosine	0.07
Phenylalanine	0.10
Lysine	0.13
Histidine	0.18
Arginine	0.13
Proline	Absent
<b>Total</b>	<b>6.48</b>

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Certificate No: 47500



Certificate No: GB 8518



Certificate No: GB 11748

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# LIQUID ONYX – Iron Bio 3



- Iron rich Onyx
- Green up
- Increase plant strength
- Hardens turf against disease
- This formulations supports enzyme and protein synthesis

## Product Usage

The addition of iron will lead to strengthening the grass as well as encouraging green up.

## Application Period

At any time during the growing period.

## Application Rates

10-20 litres per hectare as a regular biostimulant  
40-60 litres per hectare as a fertiliser feed

Dilute in 300-600 litres of water

## Additional Product Information

Nitrogen	4.2 %
Phosphorus (P2O5)	0.13 %
Potassium (K2O)	2 %
Iron (Fe)	1.2 %
Calcium	0.8 %
pH	5.0
Total Sugars	2.0-5.0 %
Copper	2.2 mg/kg
Manganese	16.1 mg/kg
Zinc	6.72 mg/kg

Produced from concentrated plant extracts, it has significant biostimulation properties as well as supplying macro and micronutrients.

Amino Acid	Percentage
Aspartic Acid	0.56
Threonine	0.10
Serine	0.10
Glutamic Acid	4.10
Glycine	0.18
Alanine	0.10
Cystine	0.02
Valine	0.21
Methionine	0.15
Isoleucine	0.14
Leucine	0.21
Tyrosine	0.07
Phenylalanine	0.10
Lysine	0.13
Histidine	0.18
Arginine	0.13
Proline	Absent
<b>Total</b>	<b>6.48</b>

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# LIQUID ONYX – Nitrogen Bio 4

- Nitrogen rich Onyx
- Ideal for green up
- Rapid uptake of nutrients through roots and leaf
- Promotes growth
- Increase tillage

## Product Usage

High nitrogen will offer growth and green up whilst still relieving stress and adding to soil health.

## Application Period

At any time during the growing period.

## Application Rates

10-20 litres per hectare as a regular biostimulant  
40-60 litres per hectare as a fertiliser feed

Dilute in 300-600 litres of water

## Additional Product Information

Nitrogen	9 %
Phosphorus (P2O5)	0.13 %
Potassium (K2O)	2 %
Calcium	1 %
pH	5.0
Total Sugars	2.0-5.0 %
Copper	2.2 mg/kg
Manganese	16.1 mg/kg
Iron	119 mg/kg
Zinc	8.4 mg/kg

Produced from concentrated plant extracts, it has significant biostimulation properties as well as supplying macro and micronutrients.

Amino Acid	Percentage
Aspartic Acid	0.56
Threonine	0.10
Serine	0.10
Glutamic Acid	4.10
Glycine	0.18
Alanine	0.10
Cystine	0.02
Valine	0.21
Methionine	0.15
Isoleucine	0.14
Leucine	0.21
Tyrosine	0.07
Phenylalanine	0.10
Lysine	0.13
Histidine	0.18
Arginine	0.13
Proline	Absent
<b>Total</b>	<b>6.48</b>

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# LIQUID ONYX – Phosphorous Bio 5

- Phosphorous rich Onyx
- Perfect for good root development
- Helps energy production within the plant
- Fast acting source of phosphorous
- High P offers great disease resistance and stress relief

## Product Usage

This product will help develop a strong root structure and good establishment for new seeding.

## Application Period

At any time during the growing period.

## Application Rates

10-20 litres per hectare as a regular biostimulant  
40-60 litres per hectare as a fertiliser feed

Dilute in 300-600 litres of water

## Additional Product Information

Nitrogen	5.0 %
Phosphorus (P2O5)	4.1 %
Potassium (K2O)	2.0 %
Calcium	0.8 %
pH	5.0
Total Sugars	2.0-5.0 %
Copper	2.2 mg/kg
Manganese	16.1 mg/kg
Iron	119 mg/kg
Zinc	8.4 mg/kg

Produced from concentrated plant extracts, it has significant biostimulation properties as well as supplying macro and micronutrients.

Suitable for tank mixing with most products – please try small scale test before tank mixing

Amino Acid	Percentage
Aspartic Acid	0.56
Threonine	0.10
Serine	0.10
Glutamic Acid	4.10
Glycine	0.18
Alanine	0.10
Cystine	0.02
Valine	0.21
Methionine	0.15
Isoleucine	0.14
Leucine	0.21
Tyrosine	0.07
Phenylalanine	0.10
Lysine	0.13
Histidine	0.18
Arginine	0.13
Proline	Absent
<b>Total</b>	<b>6.48</b>



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# LIQUID ONYX – Potassium Bio 6



- Potassium rich Onyx
- Ideal to strengthen and reduce stress of the grass
- Improve drought resistance
- Aids photosynthesis and food formation
- Activates many enzyme systems

## Product Usage

Perfect to develop the root zone of damaged and newly seeded grass with reduced risk of damaging the young shoots.

## Application Period

At any time during the growing period.

## Application Rates

10-20 litres per hectare as a regular biostimulant  
40-60 litres per hectare as a fertiliser feed

Dilute in 300-600 litres of water

## Additional Product Information

Nitrogen	5.0 %
Phosphorus (P2O5)	0.13 %
Potassium (K2O)	5.2 %
Calcium	0.8 %
pH	5.0
Total Sugars	2.0-5.0 %
Copper	2.2 mg/kg
Manganese	16.1 mg/kg
Iron	119 mg/kg
Zinc	8.4 mg/kg

Produced from concentrated plant extracts, it has significant biostimulation properties as well as supplying macro and micronutrients.

Amino Acid	Percentage
Aspartic Acid	0.56
Threonine	0.10
Serine	0.10
Glutamic Acid	4.10
Glycine	0.18
Alanine	0.10
Cystine	0.02
Valine	0.21
Methionine	0.15
Isoleucine	0.14
Leucine	0.21
Tyrosine	0.07
Phenylalanine	0.10
Lysine	0.13
Histidine	0.18
Arginine	0.13
Proline	Absent
<b>Total</b>	<b>6.48</b>

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# LIQUID ONYX – Magnesium Bio 7

- Magnesium rich Onyx
- Helps provide green up
- Increases the strength of the plant
- Essential for chlorophyll production
- Increases disease resistance

## Product Usage

This combination of Onyx and Magnesium will strengthen the roots and aid green up.

## Application Period

At any time during the growing period.

## Application Rates

10-20 litres per hectare as a regular biostimulant  
40-60 litres per hectare as a fertiliser feed

Dilute in 300-600 litres of water

## Additional Product Information

Nitrogen	4.2 %
Phosphorus (P <sub>2</sub> O <sub>5</sub> )	0.13 %
Potassium (K <sub>2</sub> O)	2 %
Magnesium (MgO)	2%
Calcium	0.8 %
pH	5.0
Total Sugars	2.0-5.0 %
Copper	2.2 mg/kg
Manganese	16.1 mg/kg
Iron	119 mg/kg
Zinc	8.4 mg/kg

Produced from concentrated plant extracts, it has significant biostimulation properties as well as supplying macro and micronutrients.

Amino Acid	Percentage
Aspartic Acid	0.56
Threonine	0.10
Serine	0.10
Glutamic Acid	4.10
Glycine	0.18
Alanine	0.10
Cystine	0.02
Valine	0.21
Methionine	0.15
Isoleucine	0.14
Leucine	0.21
Tyrosine	0.07
Phenylalanine	0.10
Lysine	0.13
Histidine	0.18
Arginine	0.13
Proline	Absent
<b>Total</b>	<b>6.48</b>

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# LIQUID ONYX – Calcium Bio 8

- Calcium rich Onyx
- Excellent for strengthening turf
- Aid colour and vigour
- Perfect for grass under high stress
- Essential for translocation of nutrients through the plant

## Product Usage

This is the perfect product to provide all round strength to the plant and is the ideal way to get high levels of calcium applied.

## Application Period

At any time during the growing period.

## Application Rates

10-20 litres per hectare as a regular biostimulant  
40-60 litres per hectare as a fertiliser feed

Dilute in 300-600 litres of water

## Additional Product Information

Nitrogen	4.2 %
Phosphorus (P2O5)	0.13 %
Potassium (K2O)	2 %
Calcium	3 %
pH	5.0
Total Sugars	2.0-5.0 %
Copper	2.2 mg/kg
Manganese	16.1 mg/kg
Iron	119 mg/kg
Zinc	8.4 mg/kg

Produced from concentrated plant extracts, it has significant biostimulation properties as well as supplying macro and micronutrients.

Amino Acid	Percentage
Aspartic Acid	0.56
Threonine	0.10
Serine	0.10
Glutamic Acid	4.10
Glycine	0.18
Alanine	0.10
Cystine	0.02
Valine	0.21
Methionine	0.15
Isoleucine	0.14
Leucine	0.21
Tyrosine	0.07
Phenylalanine	0.10
Lysine	0.13
Histidine	0.18
Arginine	0.13
Proline	Absent
<b>Total</b>	<b>6.48</b>

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# LIQUID ONYX – BALM

## Bio 9

- Trace Element rich Onyx
- The ultimate in stress relief
- Provides all the trace elements and micro nutrients needed for an all-round healthy sward
- Improves the efficacy of pesticides
- Acidifies the leaf surface to improve the uptake and movement of other nutrients

### Product Usage

The ultimate in stress, relief Onyx Balm will bring your turf back up to impeccable quality and health as well as supplying good levels of the important trace elements.

### Application Period

At any time during the growing period.

### Application Rates

10-20 litres per hectare as a regular biostimulant  
40-60 litres per hectare as a fertiliser feed

Dilute in 300-600 litres of water

### Additional Product Information

Nitrogen	4.2 %
Phosphorus (P2O5)	0.13 %
Potassium (K2O)	2 %
Calcium	0.8 %
pH	5.0
Total Sugars	2.0-5.0 %
Copper	0.09%
Iron	0.27%
Manganese	0.27%
Zinc	0.09%
Magnesium	0.37%
Boron	0.04%
Molybdenum	0.002%
Sulphur	0.09%
Cobalt	0.002%

Amino Acid	Percentage
Aspartic Acid	0.56
Threonine	0.10
Serine	0.10
Glutamic Acid	4.10
Glycine	0.18
Alanine	0.10
Cystine	0.02
Valine	0.21
Methionine	0.15
Isoleucine	0.14
Leucine	0.21
Tyrosine	0.07
Phenylalanine	0.10
Lysine	0.13
Histidine	0.18
Arginine	0.13
Proline	Absent
<b>Total</b>	<b>6.48</b>

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