

Assured Organics



Higher crop yields, juicier fruits, greener gardens.



Welcome to Assured Organics

Clean - Bio - Organics

Assured Organics promote organic, supplements, fertilisers and feeds, for application into the domestic, agricultural and feeds industries.



We take responsibly sourced marine by products, and turn them into earth healing, stimulating, and conditioning, organic super feeds.

At Assured Organics we not only produce organic products that condition your soil and growing medium, we guarantee healthier plant growth and maximum yield for your crops, by delivering a mineral and nutritionally balanced growing additive.

We understand that years of chemical fertilisation practices, has dramatically reduced the quality of our soils resulting in poor yield and tasteless food products.

Our Agricultural products have been specifically engineered to immediately boost the microbial life of your soil, and to put back all the vital nutrients that your crop needs to reach their full potential, resulting in higher yields and tastier foods, while returning your soil to its natural organic state.



Our Mission Statement

At Assured Organics we believe in creating environmentally friendly, organic value-added products. We care about the environment and our products improve animal and plant health and improves biodiversity. In the UK, around 60% of all fish caught is under utilised or wasted. Our mission is to use sustainably caught by-catch and waste fish products to create environmentally friendly, organic animal feeds, flavourings, fertilisers and biofuels. Our novel anaerobic digestion (AD) process uses natural enzymes and microbes to break down the fish waste into its component proteins, organic-matter and oils.





Assured Range of Products

Assured fertilisers and soil improvers, high performance fish hydrolysate bio-fertiliser feed ingredients and soil improvers are made by our natural anaerobic digestion process.

Key benefits:

- ✓ Provides and encourages rapid uptake of soluble proteins, peptides and amino acids.
- ✓ Boosts the root growth, photosynthesis and carbohydrate production.
- ✓ Increases Microbial activity.
- ✓ Fully organic product.
- ✓ Environmentally friendly and beneficial to the environment.
- ✓ Contains active microbes to boost soil performance.
- ✓ Contain trace elements essential for plant health and bio stimulation.
- ✓ Livestock, wildlife and pet friendly.
- ✓ Free from harmful pathogens.
- ✓ Bioactive ingredients attract pollinators and encourage bio-diversity.

BioBloom

A fully Organic stimulant for use on plants, lawns, shrubs, ground covers, planters and in pots, in fact anything that grows in your garden and green house.

AgriBloom

Specifically designed for the agricultural market, for use on larger scale farming, Horticultural and Hydroponics growing set ups. Rich in organic effective bacteria and nutrients, that will enhance your soil with natural goodness for use on agricultural crops on any scale.

BioAmino

Created as a liquid nutrients additive for use in multiple manufacture applications for the Human, Animal and Aquaculture feed. Bursting with vital Amino acids, minerals, proteins and nutrients. BioAmino contains high levels of soluble proteins, peptides, multiple Amino acids, Omega 3 oils and other easily digestible alkaloids.

BioTein

Created as a liquid nutrient additive for use in multiple Protein source applications for Human, Animal and Aquaculture feeds. Bursting with vital Amino acids, minerals, proteins and nutrients. BioTein contains high levels of soluble fish proteins, peptides, multiple Amino acids, Omega 3 oils and other easily digestible alkaloids.



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AgriBloom 1-1-1

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An organic liquid power house packed with essential micro-nutrients and trace minerals.

Designed to supplement your fertilisation applications, and quickly return your soil to its natural microbial state. Resulting in enhanced root penetration to give your land, crops and produce a boost in yield, growth and overall health.

The nitrogen in hydrolysate is derived from fish protein in the form of amino acids which when added to the soil, slowly break down into basic nitrogen compounds. A percentage of nitrogen becomes soluble due to the nature of the manufacturing process.

Because no oils or proteins are removed, the nutrients remain in the soil longer, and lower N-P-K rates can be used to meet or exceed the results obtained by chemicals with much higher rates. Some advantages to using hydrolyzed fish fertilizer are that it rebuilds soil biology resulting in excellent, healthy plant growth with increased yields and greater pest resistance and it is made from the organic waste of a renewable aquatic resource.

A totally natural product having not been subjected to high heat or chemical treatment, and containing many trace elements including selenium. It contains nutrients that feed the good bacteria and fungi in soil where the nitrogen drawing activities and nutrient excreted by the bacteria ensure sustainable, healthy plant growth. Bacteria form the backbone of soil which increases in richness over time, constructs bridges between plant root and soil and becomes self sufficiently enriched – reducing the need to add nutrient or fertiliser once the harmony is established.



Soil structure clearly improves, plants become healthier, pest control is minimised, crop yield is increased and damage caused by overdose of chemical fertilisers, herbicides and pesticides is repaired. And the presence of bacteria means up to 70% less water will be needed encouraging drought resistance.

Sounds miraculous but is simply ancient history revisited. The acidity also encourages bacteria to ingest the treated fish so increasing its efficiency. The same principal applies to pesticides. Means significant cost savings and reduced pollutants in produce and soil. Furthermore, by fish hydrolysate the damage caused to waterways and aquatic life in rivers is eliminated. This means no chemical run off or absorption into underground aquifers, rivers, lakes and our water supplies! But this also depends on the elimination of nitrogenous, chemical fertilizers.

Assured products are available in:-

1L, 5L, 25L, 220L, 1000L IBC and bulk delivery across Europe with own brand packaging opportunities available.

Benefits

- Restores the vital micro minerals and micro nutrients in your soil.
- Provides direct stimulation to the roots and leaves.
- Make your tomatoes, and fruits, grow big, juicy and tastier.
- Provides immediate results by direct stimulation with beneficial microbes and probiotics which nourish your roots, letting them absorb nutrients easily.
- Immediate responses along with rapid uptake of soluble proteins, peptides and amino acids through the roots promoting growth and carbohydrate production.
- Reduces the need for other treatments lowering overall maintenance costs.
- Concentrated with effective bacteria and microbes to boost soil performance and health
- A complete range of major and trace minerals
- Bioactive ingredient that attract pollinators, and encourage bio-diversity.
- Balanced release fertiliser with N-P-K values(1-1-1)
- Livestock and wildlife friendly.
- Increased produce yields
- Trace elements essential for plant health and bio-stimulation.
- Non hazardous
- Biodegradable
- Free from harmful pathogens
- 100% water soluble
- Non-toxic



CONTAINS per KG:

NPK: 1-1-1. N/MA (+/- 0.5%)

Nitrogen 0.56% w/w

Phosphorus 1580 mg/kg

Potassium 1824mg/kg

Calcium 2912mg/kg

Magnesium 173mg/kg

Manganese 0.85mg/kg

Sulphur 795mg/kg

Iron 13.8mg/kg

Zinc 3.8mg/kg

Copper 96mg/kg

For further details please contact:

Tel: +44 (0)116 275 9105

info@assuredhygiene.com

www.assuredhygiene.com

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AgriBloom Application Rates

As Foliar Spray:

Vegetables: 1 L per 100 L water up to 5 L/ha equivalent. Apply weekly or as required

Orchards & Vineyards: 1 L per 100 L water up to 7 L/ha equivalent. Apply every 4 weeks or as required

Ornamentals & Turf: 1 L per 100 L water up to 5 L/ha equivalent. Apply every 2 – 4 weeks or as required.

Broadacre Crops: 1 – 3 L/ha in 60 – 100 L water, depending on canopy closure, Apply as required.

Pasture: 1 – 3 L/ha in 60 – 100 L water. Apply as required

Spot-Spraying: 50 / 100 mL per 10 L water. Apply as required

Fertigation applications:

Vegetables: 20 – 30 L/ha. Apply weekly or as required

Orchards & Vineyards: 20 – 30 L/ha. Apply every 4 weeks or as required

Ornamentals & Turf: 20 – 30 L/ha. Apply every 2 – 4 weeks or as required

Hydroponic dosage:

In hydroponic, trickle tape or foliar type applications, 2000:1.

Livestock Feed additive:

6- 30% added and mixed with usual feed. Improves general health, increases palatability and weight gain, improves coat condition. 98.5% digestibility.

Concentration of BioBloom should not be less than 1% or exceed 5% (volume to volume) in the finished spray solution. Always use enough water for uniform application and to prevent possible plant tissue damage to the intended crop from concentrated droplets. Apply during the cool part of the day, or when temperatures are below 85o F. Do not apply under windy conditions. Do not store diluted material.

PRECAUTIONS: Separation may occur – agitate before use. Do not store or save diluted material.

STORAGE CONDITIONS: Store in a sealed container in cool, dry location, at temperatures above freezing. Do not store or save diluted material. After diluting or blending with other products, apply within 24 hours. Do not store diluted material. User assumes full responsibility to ensure product, equipment and plant compatibilities.

CAUTION: KEEP OUT OF REACH OF CHILDREN. Harmful if swallowed. May cause eye and skin irritation.

NOTICE: Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. Buyer shall assume all risks of use including, but not limited to crop injury, ineffectiveness or other unintended consequences as may result because of such factors as weather conditions, presence of other materials or the manner of use or application, all of which are beyond the control of the seller. In no case shall Assured Hygiene Ltd be liable for consequential, special or indirect damages resulting from the use or handling of this product.

Disclaimer: Any recommendations provided by AssuredOrganics/AssuredHygieneLtd are advice only. As no control can be exercised over storage, handling, mixing, application or use, or weather, plant or soil conditions before, during or after application (all of which may affect the performance of our program), no responsibility for, or liability for any failure in performance, losses, damages, or injuries (consequential or otherwise), arising from such storage, mixing, application, or use will be accepted under any circumstances whatsoever. NTS recommend you contact an Agronomist prior to product application. The Buyer assumes all responsibility for the use of any Assured Organics products.

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Analysis Sheet

Product Name: BioBloom / AgriBloom
Concentrated Organic Fish Hydrolysate
Recommended use: Fertiliser & soil conditioner
Organic status: pending application Promoted by Assured Organics.

This mixture is not classified as dangerous to humans or the environment. Independent analysis conducted by Northumbria University and DETS testing Ltd.

Nutrient analysis may vary slightly due to seasonal variation of input species, Assured Organics fish hydrolysate is created using 100% organic raw materials and naturally occurring bacteria.

This product is to be handled in accordance with this Safety Data Sheet. Product instructions and technical assistance is available at www.assuredhygiene.com

NON-HAZARDOUS SUBSTANCE: Fish Hydrolysate
 Classified according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)
HAZARD CLASS: None (Non-Hazardous)
UKAS ACCREDITATION TESTING CERTIFICATE: 13-90268
ENVIRONMENTAL REGISTRATION NUMBER: PF057FE



Determinand on a fresh weight basis % W/W	Result	% w/w
N.P.K	1.1.1	% w/w
pH	3.7	
Organic matter	9.9	%w/w
Oven Dry Matter	11.4	% w/w
Loss On Ignition	10.2	%w/w
Total Nitrogen (N)	0.56	% w/w
Ammoniacal Nitrogen	713	mg/kg
Total Phosphorus (P)	1580	mg/kg
Total Potassium (K)	1824	mg/kg
Total Magnesium (Mg)	170	mg/kg
Total Sulphur (S)	795	mg/kg
Nitrate Nitrogen	<10	mg/kg
Ammonium Nitrogen	710	mg/kg
Total Phosphorus (P)	1678	mg/kg
Total Potassium (K)	1837	mg/kg
Total Magnesium (Mg)	173	mg/kg
Total Copper (Cu)	0.9	mg/kg
Total Zinc (Zn)	3.8	mg/kg
Total Sulphur (S)	848	mg/kg
Total Calcium (Ca)	2912	mg/kg
Total Iron (Fe)	13.8	mg/kg
Total Molybdenum (Mo)	<0.05	mg/kg
Total Manganese (Mn)	0.85	mg/kg
Total Nickel (Ni)	<0.2	mg/kg
Total Sodium (Na)	400	mg/kg
Total Selenium (Se)	0.08	mg/kg
Total Cobalt	<0.02	mg/kg

Amino / Protein suite	Result %
Crude Fibre	0.1
Moisture	88.7
Ash	1.3
Total Oil (Oil B)	<0.3
Alanine (Total)	0.31
Arginine (Total)	0.06
Aspartic (Total)	0.25
Cystine (Total)	0.02
Glutamic (Total)	0.23
Glycine (Total)	0.29
Histidine (Total)	0.04
Iso-Leucine (Total)	0.13
Leucine (Total)	0.19
Lysine (Total)	0.22
Methionine (Total)	0.08
Phenylalanine (Total)	0.1
Proline (Total)	0.17
Serine (Total)	0.13
Threonine (Total)	0.13
Tyrosine (Total)	0.03
Valine (Total)	0.16

Nutritional analysis	Level Found	Units
Collagen	0.61	g/100g
Hydroxyproline	0.08	g/100g
Group 2 Nutrition		
Energy kJ	174	kJ/100g
Energy kCal	41.1	kcal/100g
Total Carbohydrate by difference	5.59	g/100g
Available Carbohydrate by difference	5.59	g/100g
Ash	1.21	g/100g
Moisture	89.08	g/100g
Nitrogen (Total)	0.59	g/100g
Protein	3.67	g/100g
Fat	0.45	g/100g
Volatile fatty acids	Absent	g/100g
Fatty Acids (Saturated)	0.16	g/100g
Fatty Acids (Mono unsaturated)	0.13	g/100g
Fatty Acids (Poly unsaturated)	0.1	g/100g
Fatty Acids (Trans)	<0.10	g/100g
Sum of Sugars	3.15	g/100g
Glucose	0.8	g/100g
Fructose	1.22	g/100g
Lactose	<0.10	g/100g
Sucrose	1.13	g/100g
Maltose	<0.10	g/100g
Dietary Fibre	<0.1	g/100g
Sodium	0.007	mg/100g
Sodium expressed as Salt (NaCl)	0.176	g/100g
Sodium	0.07	g/100g
Starch, total by difference	2.44	g/100g

Parameter	Units	Result	Upper Limit	Pass
Cadmium (Cd)	mg/kg	<0.01	0.72 mg / kg	Y
Chromium (Cr)	mg/kg	0.21	48 mg / kg	Y
Copper (Cu)	mg/kg	0.88	96 mg / kg	Y
Lead (Pb)	mg/kg	<0.5	96 mg / kg	Y
Mercury (Hg)	mg/kg	<0.05	0.48 mg / kg	Y
Nickel (Ni)	mg/kg	<0.2	24 mg / kg	Y
Zinc	mg/kg	3.73	192 mg / kg	Y



Group 2 Nutrition Calculation Factors		
Protein conversion factor	6.25	
Triglyceride conversion factor	0.956	
Pathogens		
Salmonella	Absent	Y
E. coli	CFU/g	Y

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Material Safety Data Sheet

This product is to be handled in accordance with this Safety Data Sheet and the product instructions.

AUTHOR: Assured Hygiene Ltd

Last revision: 26/10/2015

SECTION I - COMPANY AND PRODUCT INFORMATION

Product Name: BioBloom / AgriBloom

Concentrated Organic Fish Hydrolysate Naturally Hydrolysed Fish, Fish Hydrolysate recommended use: Fertiliser and soil conditioner.

Supplier:

Assured Hygiene Ltd

Street Address:

ServiceMaster House, Tigers Road, Wigston, Leicester,
United Kingdom. LE18 4WS
Telephone Number: +44 (0) 116 275 9105
Emergency Telephone: +44 (0) 7971 785228

SECTION II - HAZARDOUS IDENTIFICATIONNON-HAZARDOUS SUBSTANCE: Fish Hydrolysate

Classified according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)

This mixture is not classified as dangerous to humans or the environment Primary Hazard None.

HAZARD CLASS: None (Non Hazardous)

PRIMARY HAZARD LABEL: None

SUBSIDIARY RISK LABEL: None

WHMIS CLASSIFICATION: N/A

UN CLASSIFICATION: unclassified

PH: 5

PACKING GROUP: unclassified

UKAS ACCREDITATION TESTING CERTIFICATE: 13-90268

ENVIROMENTAL REGISTRATION NUMBER: PF057FE

SECTION III - PHYSICAL DATA / COMPOSITION

Substance: Hydrolysate (Fish)

Physical state: Liquid

Colour: light Brown semi clear

Odour: feint Vinegar/sea salt

Solubility: water soluble

Relative Vapour Density (air=1): Vapour Pressure (20 °C): Flash Point (°C):N/A

Boiling Point/Range (°C): 100 Degrees

PH: 5

Composition: Fish, Water, naturally occurring microbes

HAZARDS DESCRIPTION: N/A

SECTION IV - FIRST AID MEASURES

Inhalation: Remove victim from area of exposure – avoid becoming a casualty. Seek medical advice if effects persist. **Skin**

Contact: If skin contact occurs, wash skin thoroughly with running water. If irritation occurs seek medical advice. **Ingestion:**

Rinse mouth with water. Seek medical advice.

Medical attention and special treatment: Treat symptomatically

AFTER INHALATION: Supply fresh air. If required, provide artificial respiration and seek medical advice. No toxic effects are known. Wash with water and soak and rinsethoroughly.

AFTER EYE CONTACT: Rinse opened eye for several minutes under running water. No eye reaction effects are known. Seek medical advice if irritation persists.

EFFECTS OF OVEREXPOSURE: No exposure limits have been determined and no particular reactions to this product have been reported. If combined with other products, use their MSDS information.

SECTION V - FIRE FIGHTING MEASURES

Safety Data Sheet Hazards from combustion products: Non-combustible material.

Decomposes on heating emitting toxic fumes.

Precautions for fire fighters and special protective equipment: Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

Suitable Extinguishing Media: Not combustible, however, if material is involved in a fire use: Media applicable to surrounding fire.

SECTION VI - REACTIVITY DATA

STABILITY: Stable Under normal conditions, store in a cool environment away from direct sunlight. Do not store if mixed with other materials under any circumstances.

MATERIALS TO AVOID: Strong bases may give off CO₂ temporarily, causing bubbles.

INCOMPATIBILITY – None known

HAZARDOUS DECOMPOSITION Issues None known

SECTION VII - SPILL OR LEAK PROCEDURES

Emergency procedures: If contamination of sewers or waterways has occurred advise local emergency services.

Methods and materials for containment and clean up: Slippery when spilt. Avoid accidents, clean up immediately.

Contain – prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material).

Collect and seal in properly labelled containers for proper disposal.

SECTION VIII - HANDLING PRECAUTIONS

Conditions for safe storage: Store in a cool, dry, well ventilated place and out of direct sunlight. Keep containers closed when not in use – check regularly for leaks.

Precautions to be taken to ensure safe handling: Keep out of reach of children.

Natural ventilation should be adequate under normal use conditions.

Personal Protective Equipment: The use of gloves is recommended

Safety goggles to be used when appropriate.

Use appropriate respiratory protection for airborne mist based on consideration of airborne workplace concentration and duration of exposure.

Avoid contact with foodstuffs. Avoid exposure to heat, sources of ignition, and open flames. Breathing in mists or aerosols may produce respiratory irritation.

SECTION -IIX. ECOLOGICAL INFORMATION

Organic source and non-toxic however care should be taken not to contaminate waterways. Seek advice of local authorities in the event of spillage into a waterway.

SECTION - IX. DISPOSAL CONSIDERATIONS

Avoid or minimise waste product to be disposed.

Dispose of in accordance with local authority guide lines, if in doubt seek advice directly from BioCore.

Dispose of responsibly. Rinse empty container, puncture and recycle or dispose of safely with domestic rubbish.

SECTION -X. TRANSPORT INFORMATION

Always transport the product upright and appropriately secured. Always operate a safe manual handling policy.

SECTION - XI. REGULATORY INFORMATION SECTION - XII. DECLARATION

To the best of our knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Assured Hygiene Limited cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. If clarification or further information is needed, the user should contact Assured Hygiene Limited.

Assured Hygiene Ltd's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.

TO THE BEST OF OUR KNOWLEDGE THIS INFORMATION IS TRUE AND ACCURATE. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS BEYOND

OUR CONTROL WE DO NOT ASSUME ANY RESPONSIBILITY FOR THE RESULTS OF ITS USE. THIS INFORMATION IS FURNISHED UPON THE CONDITION THAT THE PERSON RECEIVING THIS PRODUCT SHALL MAKE HIS / HER OWN DETERMINATION OF THE SUITABILITY OF THE MATERIAL FOR THEIR PARTICULAR PURPOSE. THIS INFORMATION IS PROVIDED IN GOOD FAITH BUT WITHOUT EXPRESSED OR IMPLIED WARRANTY. IT IS THE RESPONSIBILITY OF THE CUSTOMER TO TAKE APPROPRIATE PRECAUTIONS.

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