

**SHO  
GUN**

— FERTILISERS —

 **BRITISH  
MADE**



— LEGENDARY NUTRIENTS —

**PRODUCT CATALOGUE**

[WWW.SHOGUNFERTILISERS.COM](http://WWW.SHOGUNFERTILISERS.COM)

— LEGENDARY NUTRIENTS —



**SUPERIOR**

**Truly Exceptional Products**

**Made in Britain!**

The inspiration for Shogun Fertilisers was born out of a desire to create something special. Not just another set of basic feeds, but something truly exceptional, created through years of research, development and commercial application.

**INNOVATIVE**

**Improves Performance. Every Time!**

Innovative developments such as SmartZen® and AquaZen® are unique to SHOGUN and provide growers with real benefits that supercharge plant growth.



**CONSISTENT**

**Independent 3rd Party Lab Tested**

Not only are our products technically superior in terms of plant performance but they are also super-stable, ultra-consistent and completely reliable. Our quality control process uses independent lab testing, so you can guarantee a consistent product time after time.

**RESEARCH DRIVEN**

**Introducing Dr Callie Seaman**



Our range has been developed over a number of years and is backed up by UK Based PhD research by our very own in-house biochemist. Our practical experience and our research led approach to product development means that our products are technically superior and fine-tuned to what growers really want from their fertilisers and how they really want to grow.

**LEARN MORE**



**START**

SHOGUN START is a delicate nutrient formulated to establish early plant and root development. Containing balanced micro and macro nutrients alongside the SmartZen maximiser ingredient.

SHOGUN START gives your young plants full strength trace elements whilst still maintaining a low overall strength.

**Features**

- Encourages the movement of auxins from the leaf tip to the rooting point.
- Accelerates germination.
- Encourages faster root striking in cuttings.
- Optimal concentration of micronutrients for healthy development of young plants. This is the same as it would be in a full-strength base nutrient, whilst keeping the NPK low.

**Application**



**ROOTING / PROPAGATION**  
Use to establish strong root systems during the cuttings and seedlings growth stage



**DILUTION RATE**  
Use during the cuttings and seedlings stage and throughout vegetative growth

**Available in**

SHOGUN Start - 250ml	£7.45
SHOGUN Start- 1Ltr	£14.95
SHOGUN Start - 5Ltr	£54.95



START	CUTTINGS & SEEDLINGS		VEGETATIVE GROWTH				FLOWERING GROWTH								LAST WEEK
	WK 1	WK 2	WK 1	WK 2	WK 3	WK 4	WK 1	WK 2	WK 3	WK 4	WK 5	WK 6	WK 7	WK 8	
- ALL MEDIAS -	4 ML/L	4 ML/L													PLAIN WATER

# KATANA ROOTS

Giving your roots the cutting edge required for explosive growth, SHOGUN Katana Roots stimulates massive root growth and a strong and healthy root zone. All great plants need a strong foundation and the expertly formulated combination of ingredients in SHOGUN Katana Roots help to create the most efficient uptake mechanism your plants could ever wish for. This leads to massively increased performance and ultimately better yields.

## Features

- Creates explosive root growth in all types of propagation media.
- Stimulates rapid root formation and development.
- Supports healthy, strong, white root formation.
- Creates a complex and efficient root structure for maximum nutrient uptake efficiency.
- Highly effective as a foliar application to reinvigorate stressed plants.

## Application



**VEGETATIVE BOOSTER**  
Improves root activity to enhance crop vigour



**DILUTION RATE**  
Use during the cuttings and seedlings stage and throughout vegetative growth



**ROOTING / PROPAGATION**  
Used to establish strong root systems during the cuttings and seedlings growth stage



## Available in

SHOGUN Katana Roots - 250ml	£11.95
SHOGUN Katana Roots - 1Ltr	£34.95
SHOGUN Katana Roots - 5Ltr	£129.95
SHOGUN Katana Roots - 10Ltr	£224.95

KATANA	CUTTINGS & SEEDLINGS		VEGETATIVE GROWTH				FLOWERING GROWTH								LAST WEEK	
	WK 1	WK 2	WK 1	WK 2	WK 3	WK 4	WK 1	WK 2	WK 3	WK 4	WK 5	WK 6	WK 7	WK 8		
- ALL MEDIAS -	5 ML/L	5 ML/L	0.2 ML/L	0.2 ML/L	0.2 ML/L	0.2 ML/L	0.2 ML/L	0.2 ML/L	0.2 ML/L							PLAIN WATER

# ZENZYM

SHOGUN Zenzym is a unique blend of enzymes that keeps your root zone thriving. By rapidly breaking down microscopic dead root mass, SHOGUN Zenzym keeps your rootzone clean and releases locked up nutrients from dead matter back to the plant. This stimulates further root growth and enhances nutrient uptake dramatically, leading to an overall increase in plant performance and yield. Designed to be used throughout both the vegetative and flowering stages.

## Features

- Media recycling powerhouse with a superior mixture of enzymes
- Reinvigorates worn out media with swift breakdown of dead root matter
- Enhances nutrient absorption
- Stimulates extra root growth

## Application



**ROOTING / PROPAGATION**  
Use to establish strong root systems during the cuttings and seedlings growth stage



**DILUTION RATE**  
Use during the cuttings and seedlings stage and throughout vegetative growth



## Available in

SHOGUN Zenzym - 250ml	£8.95
SHOGUN Zenzym - 1Ltr	£19.95
SHOGUN Zenzym - 5Ltr	£79.95
SHOGUN Zenzym - 10Ltr	£149.95

ZENZYM	CUTTINGS & SEEDLINGS		VEGETATIVE GROWTH				FLOWERING GROWTH								LAST WEEK	
	WK 1	WK 2	WK 1	WK 2	WK 3	WK 4	WK 1	WK 2	WK 3	WK 4	WK 5	WK 6	WK 7	WK 8		
- ALL MEDIAS -			2.5 ML/L	2.5 ML/L	2.5 ML/L	2.5 ML/L	2.5 ML/L	2.5 ML/L	2.5 ML/L	2.5 ML/L	2.5 ML/L	2.5 ML/L	2.5 ML/L	2.5 ML/L	2.5 ML/L	PLAIN WATER



# SAMURAI HYDRO

## Features

- Balanced high grade nutrition to support all stages of growth.
- Fully Integrated into the full suite of SHOGUN additives for unrivalled performance.
- Contains the revolutionary SmartZen® Yield Maximiser ingredient proven to increase yields by up to 8% above standard NPK formulas.
- SmartZen® maximises nutrient uptake and transport for superior plant performance.
- Available in Hard and Soft Water formulations. 2 Litre Set includes 1 Litre of part A and 1 Litre of Part B.

SHOGUN Samurai Hydro is a complete 2 part hydroponic nutrient to rival all others. Contains refined, precision formulated ingredients to produce amazing vegetative & flowering plant development. SHOGUN Samurai Hydro also contains the revolutionary SmartZen® ingredient, a unique collection of compounds that increases the distribution and assimilation of nutrients within your plant's vascular system. This cutting edge technology further imposes the superiority of Samurai over all other currently available nutrients.

### SHOGUN Samurai Hydro Grow

Samurai Hydro Grow A & B (SW) - 2Ltr (1Ltr A & 1Ltr B)	£14.95
Samurai Hydro Grow A & B (SW) - 10Ltr (5Ltr A & 5Ltr B)	£44.95
Samurai Hydro Grow A & B (SW) - 20Ltr (10Ltr A & 10Ltr B)	£79.95
Samurai Hydro Grow A & B (HW) - 2Ltr (1Ltr A & 1Ltr B)	£14.95
Samurai Hydro Grow A & B (HW) - 10Ltr (5Ltr A & 5Ltr B)	£44.95
Samurai Hydro Grow A & B (HW) - 20Ltr (10Ltr A & 10Ltr B)	£79.95

### SHOGUN Samurai Hydro Bloom

Samurai Hydro Bloom A & B (SW) - 2Ltr (1Ltr A & 1Ltr B)	£14.95
Samurai Hydro Bloom A & B (SW) - 10Ltr (5Ltr A & 5Ltr B)	£44.95
Samurai Hydro Bloom A & B (SW) - 20Ltr (10Ltr A & 10Ltr B)	£79.95
Samurai Hydro Bloom A & B (HW) - 2Ltr (1Ltr A & 1Ltr B)	£14.95
Samurai Hydro Bloom A & B (HW) - 10Ltr (5Ltr A & 5Ltr B)	£44.95
Samurai Hydro Bloom A & B (HW) - 20Ltr (10Ltr A & 10Ltr B)	£79.95

		CUTTINGS & SEEDLINGS		VEGETATIVE GROWTH				FLOWERING GROWTH								
SAMURAI		WK 1	WK 2	WK 1	WK 2	WK 3	WK 4	WK 1	WK 2	WK 3	WK 4	WK 5	WK 6	WK 7	WK 8	LAST WEEK
SOFT WATER	HYDROGROW A - SOFT WATER -			2 ML/L	2 ML/L	3 ML/L	3 ML/L									PLAIN WATER
	HYDROGROW B - SOFT WATER -			2 ML/L	2 ML/L	3 ML/L	3 ML/L									PLAIN WATER
	HYDROBLOOM A - SOFT WATER -							3-4 ML/L	3-4 ML/L	3-4 ML/L	3 ML/L	2 ML/L	2 ML/L	2 ML/L		PLAIN WATER
	HYDROBLOOM B - SOFT WATER -							3-4 ML/L	3-4 ML/L	3-4 ML/L	3 ML/L	2 ML/L	2 ML/L	2 ML/L		PLAIN WATER
HARD WATER	HYDROGROW A - HARD WATER -			1-2 ML/L	1-2 ML/L	2-3 ML/L	2-3 ML/L									PLAIN WATER
	HYDROGROW B - HARD WATER -			1-2 ML/L	1-2 ML/L	2-3 ML/L	2-3 ML/L									PLAIN WATER
	HYDROBLOOM A - HARD WATER -							3 ML/L	3 ML/L	3 ML/L	2-3 ML/L	1-2 ML/L	1-2 ML/L	1-2 ML/L		PLAIN WATER
	HYDROBLOOM B - HARD WATER -							3 ML/L	3 ML/L	3 ML/L	2-3 ML/L	1-2 ML/L	1-2 ML/L	1-2 ML/L		PLAIN WATER

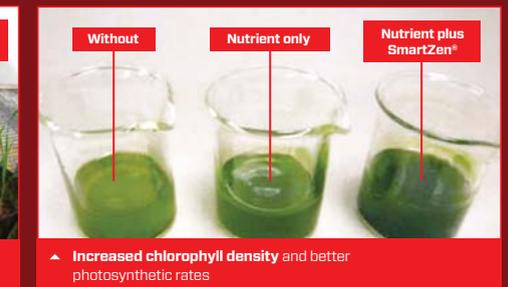
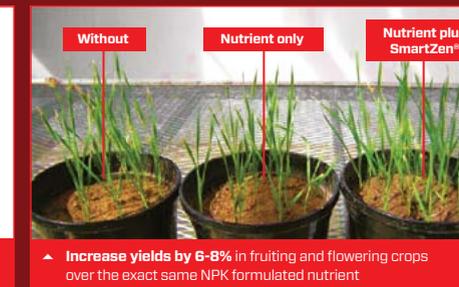
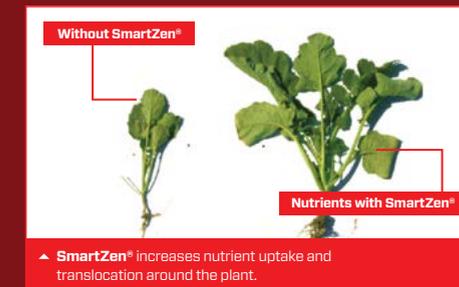
## SMARTZEN MAXIMISER

SHOGUN Samurai Hydro includes the SmartZen® Formulation - a system of active ingredients developed over 8 years designed to maximise nutrient performance.

All SHOGUN Samurai base nutrients contain SmartZen® elements that stand them apart from any other base nutrient available.

## Features

- SmartZen® Formulations are only available in SHOGUN products.
- SmartZen® increases nutrient uptake and translocation around the plant.
- Commercial trials have shown SmartZen® to increase yields by 6-8% in fruiting and flowering crops over the exact same NPK formulated nutrient without the added SmartZen® ingredients.
- Increased chlorophyll density and better photosynthetic rates. In independent tests the results of the increase were dramatic.
- Massively reduces the effects of environmental stress i.e peak hot spells and cold snaps within the grow environment.





# SAMURAI

## COCO

SHOGUN Samurai Coco is a 2 part formulation coco nutrient that is literally light years ahead of all others. With high grade nutrient ingredients mixed perfectly to maximise coco performance, SHOGUN Samurai Coco also includes the revolutionary SmartZen® Yield Maximiser and AquaZen® Slow Water ingredients – two developments that are simply without equal in all other coco nutrients.

### Features

- Balanced high grade nutrition to support all stages of growth.
- Contains the revolutionary SmartZen® Yield Maximiser ingredient proven to increase yields by up to 8% above standard NPK formulas.
- SmartZen® maximises nutrient uptake and transport for superior plant performance.
- Contains the AquaZen® Slow Water ingredient for superior media wetting capability.
- AquaZen® leads to enhanced root development, less waste and higher nutrient uptake potential.

### Application



**GROWTH NUTRIENT**  
Contains all the essential elements for strong vegetative development. For use with coco/coir growing medium



**DILUTION RATE**  
Use throughout the full growth cycle and stop 2 weeks prior to harvest



**BLOOM NUTRIENT**  
Contains all the essential elements for superior quality and yields during flowering growth in coco/coir growing medium

### Available in

SHOGUN Samurai Coco A & B - 2Ltr (1Ltr A & 1Ltr B)	£16.95
SHOGUN Samurai Coco A & B - 10Ltr (5Ltr A & 5Ltr B)	£49.95
SHOGUN Samurai Coco A & B - 20Ltr (10Ltr A & 10Ltr B)	£84.95
SHOGUN Samurai Coco A & B - 50Ltr (25Ltr A & 25Ltr B)	£184.95

SAMURAI	CUTTINGS & SEEDLINGS		VEGETATIVE GROWTH				FLOWERING GROWTH								LAST WEEK
	WK 1	WK 2	WK 1	WK 2	WK 3	WK 4	WK 1	WK 2	WK 3	WK 4	WK 5	WK 6	WK 7	WK 8	
COCO A - SOFT WATER -			2 ML/L	2 ML/L	3 ML/L	3 ML/L	4 ML/L	4 ML/L	4 ML/L	3-4 ML/L	2-3 ML/L	2-3 ML/L	2-3 ML/L		PLAIN WATER
COCO B - SOFT WATER -			2 ML/L	2 ML/L	3 ML/L	3 ML/L	4 ML/L	4 ML/L	4 ML/L	3-4 ML/L	2-3 ML/L	2-3 ML/L	2-3 ML/L		PLAIN WATER
COCO A - HARD WATER -			1-2 ML/L	1-2 ML/L	2-3 ML/L	2-3 ML/L	3-4 ML/L	3-4 ML/L	3-4 ML/L	2-3 ML/L	1-2 ML/L	1-2 ML/L	1-2 ML/L		PLAIN WATER
COCO B - HARD WATER -			1-2 ML/L	1-2 ML/L	2-3 ML/L	2-3 ML/L	3-4 ML/L	3-4 ML/L	3-4 ML/L	2-3 ML/L	1-2 ML/L	1-2 ML/L	1-2 ML/L		PLAIN WATER

## AQUAZEN

— SLOW WATER —

SHOGUN Samurai Coco contains all of the yield enhancing benefits of SmartZen®, but with added AquaZen® Slow Water elements to enhance nutrient distribution throughout coco fibres. This has an unbelievable effect in terms of the distribution of nutrient solution throughout the growing media, leading to lower waste, better root growth throughout the media and superior nutrient penetration.

### Irrigation Management of Cocopeat or Coir

- The most popular cultivation method in the market today is to use Cocopeat or Coir. The volume of irrigation to apply per dripper or per pot or per square meter is critical. The growing media has a threshold of water infiltration which if exceeded does not allow the irrigation solution to pass through the slab or pot. Rather it moves around the sides of the bag or down the edges of the pot - this is referred to as FALSE DRAIN.
- False Drain does not allow for the regulation of conductivity in the slab or pot and hence crops can be pushed into a highly generative mode which may decrease crop yields. With the use of our AquaZen® Slow Water, the nutrient will penetrate through the media better leading to more even water content and conductivity in the media.



▲ These trial data images show the distribution of water and dye between two identical rockwool slabs - As you can see the cross section of slab on the above shows water movement quickly down through the slab where it then congregates at the bottom which is far from ideal.



▲ The above slab treated with the AquaZen® Slow Water Ingredient perfectly illustrates the even lateral movement all the way down the slab.

# SAMURAI TERRA

SHOGUN Samurai Terra is a highly refined mineral feed for soil grown plants. Combining perfect nutrient balance with an advanced understanding of the complex chemistry involved in soil nutrient availability, SHOGUN Samurai Terra also includes the revolutionary SmartZen® Ingredient - bringing the latest in cutting edge plant technology to further impose the superiority of Samurai over all other currently available fertilisers.

## Features

- Balanced grow and bloom formulations specifically designed for soil.
- Created using high quality technical grade minerals for superior performance.
- Contains the revolutionary SmartZen® Yield Maximiser ingredient, proven to increase yields by up to 8% above standard NPK formulas.
- SmartZen® Maximises nutrient uptake and transport for superior plant performance.
- Universal formulation for hard and soft water.

## Application



**GROWTH NUTRIENT**  
Contains all the essential elements for strong vegetative development for all soil growing mediums



**BLOOM NUTRIENT**  
Contains all the essential elements for superior quality and yields during flowering growth for use with all soil growing mediums.



**DILUTION RATE**  
Use during the cuttings and seedlings stage and throughout vegetative growth



## Available in

SHOGUN Samurai Terra Grow - 1Ltr	£13.95
SHOGUN Samurai Terra Grow - 5Ltr	£37.95
SHOGUN Samurai Terra Grow - 10Ltr	£69.95
SHOGUN Samurai Terra Bloom - 1Ltr	£13.95
SHOGUN Samurai Terra Bloom - 5Ltr	£37.95
SHOGUN Samurai Terra Bloom - 10Ltr	£69.95

SAMURAI	CUTTINGS & SEEDLINGS		VEGETATIVE GROWTH				FLOWERING GROWTH								LAST WEEK	
	WK 1	WK 2	WK 1	WK 2	WK 3	WK 4	WK 1	WK 2	WK 3	WK 4	WK 5	WK 6	WK 7	WK 8		
TERRA GROW - SOFT WATER -			2-3 ML/L	2-3 ML/L	3-4 ML/L	3-4 ML/L										PLAIN WATER
TERRA BLOOM - SOFT WATER -							4 ML/L	4 ML/L	4 ML/L	3-4 ML/L	2-3 ML/L	2-3 ML/L	2-3 ML/L			PLAIN WATER
TERRA GROW - HARD WATER -			1-2 ML/L	1-2 ML/L	2-3 ML/L	2-3 ML/L										PLAIN WATER
TERRA BLOOM - HARD WATER -							3-4 ML/L	3-4 ML/L	3-4 ML/L	2-3 ML/L	1-2 ML/L	1-2 ML/L	1-2 ML/L			PLAIN WATER

# GEISHA FOLIAR

SHOGUN Geisha Foliar is a combination of unique foliar additives designed to enhance and initiate flowering receptors as well as increase crop yields and weight. Its advanced ingredients work in two stages. When used during the vegetative stage, more flowering sites are initiated, plant metabolism is increased and water uptake is enhanced. When used during the flowering period, fruit and flower growth are increased and a messenger contained within SHOGUN Geisha Foliar stimulates a cascade of metabolic pathways within your plants for a range of yield and quality enhancements.

## Features

- Increases water uptake and plant metabolism.
- Stimulates Increased flowering sites by up to 5%.
- Enhances yield and quality.
- Safe for use in both vegetative and flowering stages.
- Use every 2 weeks.
- Supplied ready to use. No mixing or pH adjustment required.

## Application



**FLOWERING BOOSTER**  
Increases yield and crop quality



**READY TO USE**  
To be used throughout the growth and bloom period



**VEGETATIVE BOOSTER**  
Increases growth efficiency and plant health



## Available in

SHOGUN Geisha Foliar - 750ml	£9.95
SHOGUN Geisha Foliar - 5Ltr	£39.95
SHOGUN Geisha Foliar - 10Ltr	£69.95

GEISHA	CUTTINGS & SEEDLINGS		VEGETATIVE GROWTH				FLOWERING GROWTH								LAST WEEK		
	WK 1	WK 2	WK 1	WK 2	WK 3	WK 4	WK 1	WK 2	WK 3	WK 4	WK 5	WK 6	WK 7	WK 8			
GEISHA FOLIAR - SPRAY ONCE PER WEEK																	PLAIN WATER

# CALMAG



SHOGUN CalMag is an often overlooked addition to any feeding regime that can create huge improvements. Improving nutrient uptake and translocation of nutrients around the plant, SHOGUN CalMag massively enhances your plant's ability to move and use other essential nutrient elements around as well as helping to facilitate many essential plant functions.

## Features

- Highly refined, plant available calcium and magnesium source.
- Also contains chelated iron, a micronutrient that often become deficient in certain growing conditions.
- Beneficial for coir growers during the vegetative period.
- Highly effective as a foliar application to treat preventable nutrient deficiencies.
- Facilitates many key plant functions including the production of Chlorophyll.

## Application



**FLOWERING BOOSTER**  
Improves nutrient uptake and improves fertiliser efficiency



**DILUTION RATE**  
Use throughout the full growth cycle and stop 2 weeks prior to harvest



**VEGETATIVE BOOSTER**  
Improves root activity to enhance crop vigour

## Available in

SHOGUN CalMag - 250ml	£6.95
SHOGUN CalMag - 1Ltr	£14.95
SHOGUN CalMag - 5Ltr	£49.95
SHOGUN CalMag - 10Ltr	£84.95

CALMAG	CUTTINGS & SEEDLINGS		VEGETATIVE GROWTH				FLOWERING GROWTH								LAST WEEK
	WK 1	WK 2	WK 1	WK 2	WK 3	WK 4	WK 1	WK 2	WK 3	WK 4	WK 5	WK 6	WK 7	WK 8	
HYDRO - SOFT WATER -			0-1 ML/L	0-1 ML/L	0-1 ML/L	0-1 ML/L	0-1 ML/L	0-1 ML/L	0-1 ML/L	0-1 ML/L	0-1 ML/L	0-1 ML/L	0-1 ML/L	0-1 ML/L	PLAIN WATER
HYDRO - HARD WATER -			0-0.5 ML/L	0-0.5 ML/L	0-0.5 ML/L	0-0.5 ML/L	0-0.5 ML/L	0-0.5 ML/L	0-0.5 ML/L	0-0.5 ML/L	0-0.5 ML/L	0-0.5 ML/L	0-0.5 ML/L	0-0.5 ML/L	PLAIN WATER
COCO - SOFT WATER -			1 ML/L	1 ML/L	1 ML/L	1 ML/L	0-1 ML/L	0-1 ML/L	0-1 ML/L	0-1 ML/L	0-1 ML/L	0-1 ML/L	0-1 ML/L	0-1 ML/L	PLAIN WATER
COCO - HARD WATER -			0-0.5 ML/L	0-0.5 ML/L	0-0.5 ML/L	0-0.5 ML/L	0-0.5 ML/L	0-0.5 ML/L	0-0.5 ML/L	0-0.5 ML/L	0-0.5 ML/L	0-0.5 ML/L	0-0.5 ML/L	0-0.5 ML/L	PLAIN WATER
SOIL - SOFT WATER -			1 ML/L	1 ML/L	1 ML/L	1 ML/L	0-1 ML/L	0-1 ML/L	0-1 ML/L	0-1 ML/L	0-1 ML/L	0-1 ML/L	0-1 ML/L	0-1 ML/L	PLAIN WATER
SOIL - HARD WATER -			0.5 ML/L	0.5 ML/L	0.5 ML/L	0.5 ML/L	0-0.5 ML/L	0-0.5 ML/L	0-0.5 ML/L	0-0.5 ML/L	0-0.5 ML/L	0-0.5 ML/L	0-0.5 ML/L	0-0.5 ML/L	PLAIN WATER

# SILICON



Like the protective armour of a Samurai Warrior, SHOGUN Silicon protects and fortifies your plants against attack from both disease and pests whilst also strengthening the very structure of the plant. Extremely concentrated and designed for maximum plant uptake, SHOGUN Silicon creates significantly enhanced cell wall strength that provides the basis for strong healthy development and maximum environmental resistance.

## Features

- Contains concentrated and highly refined potassium silicate.
- If mixed as per instructions can form stable silicic acid in your nutrient solution for numerous plant benefits.
- Helps buffer/reduce the fluctuation of the pH of the nutrient solution.
- Increases plant resistance to disease and pest invasion.
- Unbeatable industry concentration for a silicon product.

## Application



**FLOWERING BOOSTER**  
Plants are stronger and more robust which in turn increases the yield potential of crops



**DILUTION RATE**  
Use throughout the full growth cycle and stop 2 weeks prior to harvest



**VEGETATIVE BOOSTER**  
Boosts cell strength, maximising growth potential

## Available in

SHOGUN Silicon - 250ml	£5.95
SHOGUN Silicon - 1Ltr	£10.95
SHOGUN Silicon - 5Ltr	£36.95
SHOGUN Silicon - 10Ltr	£67.95

SILICON	CUTTINGS & SEEDLINGS		VEGETATIVE GROWTH				FLOWERING GROWTH								LAST WEEK
	WK 1	WK 2	WK 1	WK 2	WK 3	WK 4	WK 1	WK 2	WK 3	WK 4	WK 5	WK 6	WK 7	WK 8	
- ALL MEDIAS -			1 ML/L	1 ML/L	1 ML/L	1 ML/L	1 ML/L	1 ML/L	1 ML/L	1 ML/L	1 ML/L	1 ML/L	1 ML/L	1 ML/L	PLAIN WATER

# SUMO BOOST

SHOGUN Sumo Boost is a heavyweight bio-stimulant without equal. Based on a natural compound called triacontanol it triggers rapid gains in yield and quality by initiating a powerful and targeted flowering response. Plant efficiency is maximized whilst quality, aroma and taste are improved via enhanced essential oil production.

## Features

- Contains a phyto-hormone shown to stimulate various flowering enhancing functions.
- Stimulates growth, photosynthesis, yield, water and nutrient uptake and enzyme activity.
- Stimulates secondary metabolite production and essential oil production in plants.
- Use as a root feed throughout flowering but with targeted foliar applications for optimal effect.
- Enhances the uptake and utilisation of SHOGUN PK Warrior 9/18 during flowering.
- SHOGUN Sumo Boost may be used to stimulate growth in any stressed or under-performing crops.

## Application

Not suitable for active hydroponic or water culture systems, once diluted with water, the mixture should be used within 24 hours



**FLOWERING BOOSTER**  
Increases yield and crop quality



**DILUTION RATE**  
Use from weeks 1-8 during flowering growth



## Available in

SHOGUN Sumo Boost - 250ml	£14.95
SHOGUN Sumo Boost - 1Ltr	£34.95
SHOGUN Sumo Boost - 5Ltr	£129.95
SHOGUN Sumo Boost - 10Ltr	£199.95
SHOGUN Sumo Boost - 25Ltr	£419.95

## Which SUMO BOOST should I choose?

We have two variants of our Sumo Boost depending upon which type of system you are using. You only need to choose one - usage is the same for both products.

### Sumo Boost



- Improves yield taste and quality.
- Contains the same active ingredients as Sumo Active Boost.
- Perfect for use in hand watering situations here the mixed solution is used within 24hrs

### Sumo Active Boost



- Improves yield taste and quality.
- Uses a unique emulsion technology to prevent fermentation in tanks and avoid blockages in drippers.
- Ideal for active hydroponics or irrigation systems where the product will remain in a tank for up to 14 days.
- More compatible with micro-irrigation and dripper.



# SUMO ACTIVE BOOST

SHOGUN Sumo Active Boost is a liquid emulsion concentrate composed of a natural compound called Triacontanol and a plant extract sustainably harvested from the South Atlantic. It has the exact same active ingredients as standard SHOGUN Sumo Boost but has been formulated in such a way that it remains stable in tanks for up to 14 days. As with SHOGUN Sumo Boost, this version stimulates heavyweight nutrient uptake and photosynthesis while increasing the content of sugars, proteins, resins and terpenes.

## Features

- All of the same benefits as SHOGUN Sumo Boost but with enhanced stability for use in active hydro systems.
- Use in exactly the same way. Root feed throughout flowering with a foliar application every two weeks.
- Contains Triacontanol as well as plant auxins, cytokinins, brassinosteroids, vitamins and amino acids extracted using unique cell burst technology.
- Increases water and nutrient uptake producing higher fresh and dry weights upon harvest.
- Increases the production of secondary metabolites. These metabolites are used as defence compounds and include resins and terpenes that normally protect the plants from their external environments.
- SHOGUN Sumo Active Boost may be used to stimulate growth in any stressed or under-performing crops.

## Application



**FLOWERING BOOSTER**  
Increases yield and crop quality



**DILUTION RATE**  
Use from weeks 1-8 during flowering growth



## Available in

SHOGUN Sumo Active Boost - 250ml	£14.95
SHOGUN Sumo Active Boost - 1Ltr	£34.95
SHOGUN Sumo Active Boost - 5Ltr	£129.95
SHOGUN Sumo Active Boost - 10Ltr	£199.95
SHOGUN Sumo Active Boost - 25Ltr	£419.95

SUMO BOOST	CUTTINGS & SEEDLINGS				VEGETATIVE GROWTH				FLOWERING GROWTH								LAST WEEK
	WK 1	WK 2	WK 1	WK 2	WK 3	WK 4	WK 1	WK 2	WK 3	WK 4	WK 5	WK 6	WK 7	WK 8			
SUMO BOOST & SUMO ACTIVE BOOST							2 ML/L	2 ML/L	2 ML/L	2 ML/L	2 ML/L	2 ML/L	1.5 ML/L	1 ML/L	PLAIN WATER		
SUMO BOOST FOLIAR SPRAY ONCE PER WEEK							2 <sup>Ⓞ</sup> ML/L			2 <sup>Ⓞ</sup> ML/L					PLAIN WATER		

# PK WARRIOR 9/18



SHOGUN PK Warrior 9/18 uses its unique Phosphorous and Potassium ratio to outflank all other PK additives with a recipe that has been strategically designed to attack your plants with yield enhancing ingredients. Designed for maximum plant availability, SHOGUN PK Warrior 9/18 provides a concentrated increase in flowering elements to any nutrient package, enhancing fruit and flower production for maximum yields.

### Features

- Optimum Phosphorus and Potassium ratio for maximum flower potential.
- Includes Plant Sterols and other natural ingredients to maximise nutrient uptake and utilisation.
- Targeted nutrition for the reproductive phase of crops.
- Manufactured using high grade agro-minerals and specific organic acids.
- Suitable for use in all growing systems.

### Application



**FLOWERING BOOSTER**  
Increases yield and crop quality



**DILUTION RATE**  
Use from weeks 4-7 during flowering growth

### Available in

SHOGUN PK Warrior - 250ml	£8.95
SHOGUN PK Warrior - 1Ltr	£19.95
SHOGUN PK Warrior - 5Ltr	£79.95
SHOGUN PK Warrior - 10Ltr	£149.95

PK WARRIOR	CUTTINGS & SEEDLINGS		VEGETATIVE GROWTH				FLOWERING GROWTH								LAST WEEK	
	WK 1	WK 2	WK 1	WK 2	WK 3	WK 4	WK 1	WK 2	WK 3	WK 4	WK 5	WK 6	WK 7	WK 8		
- ALL MEDIAS -										1 ML/L	0.5 ML/L	0.5 ML/L	0.5 ML/L		4 ML/L	PLAIN WATER

# DRAGON FORCE



SHOGUN Dragon Force is a comprehensive plant nutrient used during the late flowering stage. It is specifically designed to speed up and enhance the maturation process, while increasing the content of secondary metabolites. It has been shown to remobilise certain nutrients to the fruit and flowers, stimulating plant defence systems and improving the final quality of your produce.

### Features

- Stimulates the movement of calcium to the fruit and flowers.
- Stimulates the movement of carbohydrates from the roots to the fruit and flowers.
- Increases secondary metabolite production such as plant resins and aroma compounds.
- Increases in calcium content leads to improvements in post-harvest quality.
- Improvements in copper tissue concentrations stimulates the plants' natural defence systems.
- Improves quality and yield.

### Application



**FLOWERING BOOSTER**  
Promotes maturation and improves crop quality



**DILUTION RATE**  
Use 10-14 days prior to harvest for 5-7 days

### Available in

SHOGUN Dragon Force - 250ml	£9.95
SHOGUN Dragon Force - 1Ltr	£19.95
SHOGUN Dragon Force - 5Ltr	£49.95
SHOGUN Dragon Force - 10Ltr	£84.95

DRAGON FORCE	CUTTINGS & SEEDLINGS		VEGETATIVE GROWTH				FLOWERING GROWTH								LAST WEEK	
	WK 1	WK 2	WK 1	WK 2	WK 3	WK 4	WK 1	WK 2	WK 3	WK 4	WK 5	WK 6	WK 7	WK 8		
- ALL MEDIAS -															4 ML/L	PLAIN WATER

## Grow Calendar

Welcome to the **#ShogunClan**, the best place for you and your plants. Use this Grow Calendar to track your growth and make useful notes & tips for next time.



Share your growing success online using **#ShogunFertilisers**

### CUTTINGS & SEEDLINGS

<p>■ WK 1</p> <hr/> <hr/> <hr/> <hr/> <hr/>	<p>■ WK 2</p> <hr/> <hr/> <hr/> <hr/> <hr/>
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### VEGETATIVE GROWTH

<p>■ WK 3</p> <hr/> <hr/> <hr/> <hr/> <hr/>	<p>■ WK 4</p> <hr/> <hr/> <hr/> <hr/> <hr/>	<p>■ WK 5</p> <hr/> <hr/> <hr/> <hr/> <hr/>	<p>■ WK 6</p> <hr/> <hr/> <hr/> <hr/> <hr/>
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### FLOWERING GROWTH - WEEKS 7 - 8

<p>■ WK 7</p> <hr/> <hr/> <hr/> <hr/> <hr/>	<p>■ WK 8</p> <hr/> <hr/> <hr/> <hr/> <hr/>	<p>■ WK 9</p> <hr/> <hr/> <hr/> <hr/> <hr/>	<p>■ WK 10</p> <hr/> <hr/> <hr/> <hr/> <hr/>
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### FLOWERING GROWTH - WEEKS 11 - 14

<p>■ WK 11</p> <hr/> <hr/> <hr/> <hr/> <hr/>	<p>■ WK 12</p> <hr/> <hr/> <hr/> <hr/> <hr/>	<p>■ WK 13</p> <hr/> <hr/> <hr/> <hr/> <hr/>	<p>■ WK 14</p> <hr/> <hr/> <hr/> <hr/> <hr/>
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Starting with Shogun? Are you a first-time grower?

# SAMURAI

— MULTIPACK —

....This **Coco Multipack** is just for you, from base feed to all necessary additives. This pack will **give your plant all it needs!**

#### Samurai Coco Multipack contains:

- 1L Samurai Coco A / 1L Samurai Coco B
- 250ml SHOGUN Katana Roots
- 250ml SHOGUN Calmag
- 250ml SHOGUN Silicon
- 250ml SHOGUN PK Warrior 9/18
- 250ml SHOGUN Sumo Active Boost
- 250ml SHOGUN Dragon Force
- Coco Feedchart

Available in

SHOGUN Samurai Coco Multipack

£64.95



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— FERTILISERS —

— LEGENDARY NUTRIENTS —

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