

PangaeaTM Booster

Adjuvant

Adj: 0827
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PANGAEA BOOSTER™ is a tank mix adjuvant for use with all authorised plant protection products.

PANGAEA BOOSTER™ is particularly effective when used against resistant strains where plant protection products alone have little effect.

Patents Approved - This product incorporates technology licensed exclusively to Pangaea Biosciences Ltd. and proprietary technology developed by Pangaea Biosciences Ltd. - Patents pending

AN ADJUVANT FOR USE ONLY WITH APPROVED PLANT PROTECTION PRODUCTS TO HELP OVERCOME RESISTANCE.				
Crops/situations	Plant protection product	Maximum concentration (% spray solution)	Maximum number of treatments	Latest time of application
All non edible crops	All authorised plant protection products.	0.2	Follow the statutory conditions of use of the plant protection product	Follow the statutory conditions of use of the plant protection product
All edible crops	All authorised plant protection products at half or less than half the authorised plant protection product rate	0.2	Follow the statutory conditions of use of the plant protection product	Follow the statutory conditions of use of the plant protection product
Non crop production: all non edible crops (stable), all edible crops (stable)	All authorised plant protection products.	0.2	Follow the statutory conditions of use of the plant protection product	Follow the statutory conditions of use of the plant protection product
In addition, this adjuvant may be used at a maximum concentration of 0.2% spray solution on the following crops, up to the growth stages specified, with all authorised plant protection products applied up to their full authorised rate				
Crop		Crop		
Almond	up to and including first fruit set	Red beet	up to and including fully expanded leaves. Does not include beetroot grown for seed and leaf use	
Apple and pear	up to and including that 5 - 10 mm	Rocket	up to and including 3rd true leaf unfurled	
Apricot, cherry, peach and nectarine, plum	up to and including first fruit set	Soya bean - Dry	end of flowering: first true visible (approx 5mm length) - BBCH 64-65	
Aubergine, Melon, Pepper and Chili, Winter Squash and Pumpkin	up to and including first fruit set	Spinach	leaves have reached 50% of the expanded diameter, not yet full for the valley	
Beans without pods (dry)	Up to and including first pod set	Strawberry	up to and including first fruit development	
Beans without pods (fresh)	Up to and including first pod set	Sugar beet	Up to and including 5 fully expanded leaves	
Blackberry	up to and including first fruit development	Tomato	up to and including top of basal leaflet	
Blackcurrant and redcurrant	up to and including first visible green fruit	Turnips and White Cabbage	up to and including first fruit set	
Borage	beginning of ripening: seed green	Wax beans	up to and including first fruit set on first truss	
Broad bean - Fresh, dwarf French bean, edible podded pea, runner bean	up to and including first pod set	READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTISE FOR USING PLANT PROTECTION PRODUCTS.		
Broccoli / Calabrese	up to and including heads begin to form, with of growing 5 - 10 cm²	DIRECTIONS FOR USE:		
Brussels sprout	up to and including lateral buds begin to develop	Important information: Use should be in accordance with the partner plant protection product label.		
Carrot, Parsnip, Turnip, Swede	up to and including 9 true leaves unfurled	DOSE REQUIRED AND TIMING:		
Cauliflower	up to and including cauliflower heads begin to form, with of growing up to 10 cm²	Maximum dose: 300ml a		
Celeriac	up to and including 8-14 inflorescences	Users should refer to the statutory conditions of use of the plant protection product for maximum number of treatments and latest time of application.		
Colcannon, kale	main leaves have reached 50% of the expected height typical for the variety	HANDLING INSTRUCTIONS:		
Combining pea and vining pea	up to and including flat pod (non-edible pods only)	Carefully fill the sprayer with clean water and start agitation. Add the correct quantity of PANGAEA BOOSTER™ then add and disperse the plant protection component.		
Cucumber	up to and including first fruit set	Top up with the rest of the water for the final spray volume and continue agitating until spraying is completed.		
Field bean	up to and including first pod set	DO NOT mix this adjuvant with any fertiliser products.		
Fodder beet, Mangel	up to and including 6 fully expanded leaves	SAFETY PRECAUTIONS:		
Forage Maize	up to and including 9 leaves clearly visible	Operator protection:		
Hops	up to and including cone set	(a) Operator protection:		
Leek	up to and including 9 leaves clearly visible	Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:		
Lettuce	varieties forming heads: up to and including heads begin to form	WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACE SHIELD AND/OR GOGGLES) when handling the concentrate. However, engineering controls may be a personal protective measure if a COSHH assessment shows that they provide an equal or higher standard of protection.		
Lettuce	varieties not forming heads: up to and including heads begin to reach 30% of the diameter typical for the variety	WASH HANDS AND EXPOSED SKIN before meals and after work.		
Linseed	up to and including 10% capsules formed	WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the inside of gloves.		
Oilseed rape	up to and including 10% potential pods	DO NOT eat or drink near application equipment.		
Oriental cabbages	varieties forming heads: up to and including heads begin to reach 30% of the diameter typical for the variety	Follow all operator protection instructions for the plant protection product. Where the personal protective equipment specified on the adjuvant label is different to that specified on the plant protection product label, the highest level of protective equipment must be worn.		
Potato	up to and including tuber initiation	(b) Environmental protection:		
Raspberry	up to and including first fruit set	DO NOT CONTAMINATE SURFACE WATER OR DITCHES WITH THE PRODUCT OR ITS CONTAINER.		
Do not clean application equipment near surface water.				

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An emulsifiable concentrate formulation containing 927.5 g/l piperonyl butoxide (EAC 1)

DANGER

Causes serious eye damage

Very Toxic to aquatic life with long lasting effects.

Wear protective gloves/eye/protective/face protection.

If IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Avoid release to the environment.

Collect spillage.

Dispose of contents/container in accordance to national regulations.

UFI: 4P80-P0Y2-K00A-NH4U

For 24-Hour emergency contact: Carechem: +44 (0)1865 407 333

The (COSSH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

 **THIS LABEL HAS SECURITY FEATURES AND CANNOT BE COPIED** 

Avoid contamination via drains from farmyards or roads.

(c) Storage and disposal

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washing to the sprayer at the time of filling and dispose of safely. KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

CONDITIONS OF SUPPLY

All goods supplied by us are of high grade and we believe them to be suitable but, as we cannot exercise control over their storage, handling, mixing or use or the weather conditions before, during and after application which may affect the performance of the goods, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded and no responsibility will be accepted by us for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions can be varied by our staff or agents whether or not they supervise or assist in the use of such goods.

Spray Water Volume per hectare (litres)	Quantity of Pangaea Booster™ per hectare (ml.)	Quantity of Pangaea Booster™ per 100 litres (ml.)
100	200	200
500	300	60
1000	300	30
2000	300	15

*Pangaea Booster rate with a 300ml/La unit applied

Not all combinations of Pangaea Booster™ and plant protection products and crops have been trialled. It is recommended that users conduct small scale trials before widespread use with the plant protection product / crop / season combination.



Authorisation Holder:

Pangaea Biosciences, St John's Innovation Centre,
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For batch number and production date, see container.

Protect from frost.
Store in a cool dry place.
Shake well before use.

