PANGAEA BIOSCIENCES

Pangaea Booster™

Adjuvant

ADJ: 0827

1 Litre

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 (stubble), all edible crops (stubble)	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	Time of Application
Almond	up to and including first fruit set
Apple and pear	up to and including fruit 5 - 10 mm
Apricot, cherry, peach and nectarine, plum	up to and including first fruit set
Aubergine, Melon, Pepper and Chilli, Winter Squash and Pumpkin	up to and including first fruit set
Beans without pods (dry)	Up to and including first pod set
Beans without pods (fresh)	Up to and including first pod set
Blackberry	up to and including first fruit development
Blackcurrant and redcurrant	up to and including first visible green fruitlet
Borage	beginning of ripening: seed green
Broad bean - Fresh, dwarf French bean, edible podded pea, runner bean	up to and including first pod set
Broccoli / calabrese	up to and including heads begin to form; width of growing tip up to 1 cm2
Brussels sprout	up to and including lateral buds begin to develop
Cabbage	up to and including heads begin to form
Carrot, Parsnip, Turnip, Swede	up to and including 9 true leaves unfolded
Cauliflower	up to and including cauliflower heads begin to form; width of growing tip up to 1cm²
Cereals	up to and including BBSS2(1/4 inflorescence)
Collard, kale	main shoot has reached 30% of the expected height typical for the variety
Combining pea and vining pea	up to and including flat pod (non-edible pods only)
Cucumber	up to and including first fruit set
Field bean	up to and including first pod set
Fodder beet, Mangel	up to and including 6 fully expanded leaves
Forage Maize	up to and including 9 of tassel visible
Garlic, Bulb Onion, Shallot, Salad onion	up to and including 9 leaves clearly visible
Hops	up to and including cone set
Leek	up to and including 9 leaves clearly visible
Lettuce	varieties forming heads: up to and including heads begin to form
Lettuce	varieties not forming heads: up to and including leaf rosette has reached 30% of the diameter typical for the variety
Linseed	up to and including 10% capsules formed
Oilseed rape	up to and including 10% potential pods
Oriental cabbages	varieties forming heads: up to and including heads begin to form Varieties not forming heads: up to and including leaf rosette has reached 30% of the diameter typical for the variety
Potato	up to and including tuber initiation
Raspberry	up to and including first fruit set

Crop	Time of Application
Red beet	up to and including six fully expanded leaves. Does not include beetroot grown for salad leaf use
Rocket	up to and including 3rd true leaf unfolded
Soya bean, Soya Bean - Dry	end of flowering: first pods visible (approx 5mm length) - BBCH 69-609
Spinach	leaf rosette has reached 30% of the expected diameter typical for the variety
Strawberry	up to and including first fruit development
Sugar beet	up to and including 6 fully expanded leaves
Sunflower	up to and including tip of tassel visible
Table Grapes and Wine Grapes	up to and including first fruit set
Tomato	up to and including first fruit set on first truss

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

DIRECTIONS FOR USE:
Important information: Use should be in accordance with the partner plant protection product label.

DOSE REQUIRED AND TIMING:
Maximum dose: 300ml/ha.
Users should refer to the statutory conditions of use of the plant protection product for maximum number of treatments and latest time of application.

MIXING INSTRUCTIONS:
Calibrate the sprayer to give an even application at the correct spray volume. Half fill the spray tank with clean water and start agitation. Add the correct quantity of PANGAEA BOOSTER™ then add and disperse the plant protection component.
Top up with the rest of the water for the final spray volume and continue agitating until spraying is completed.
DO NOT mix this adjuvant with any fertiliser products.

SAFETY PRECAUTIONS:
Operator protection:
(a) Operator protection
Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:
WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACE SHIELD AND/OR GOGGLES) when handling the concentrate. However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.
WASH SPLASHES from skin immediately.
WASH HANDS AND EXPOSED SKIN before meals and after work.
WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.
Operators must:
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.
(b) Environmental protection
DO NOT CONTAMINATE SURFACE WATER OR DITCHES WITH THE PRODUCT OR ITS CONTAINER.
Do not clean application equipment near surface water.
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 washings 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 or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions cannot 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/ha limit 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.

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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 protection/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

SPECIMEN

PANGAEA BIOSCIENCES

Authorisation Holder:
Pangaea Biosciences, St John's Innovation Centre, Cowley Road, Cambridge, CB4 0WS
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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.

UK

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