

Systhane® 20EW Fungicide

READ DIRECTIONS FOR USE
ON ATTACHED LEAFLET.

1 Litre

PROFESSIONAL USE ONLY

An oil in water emulsion containing 200 g/litre
(20% w/w) myclobutanil and 103 g/litre
cyclohexanone.

Lift
here

PROTECT FROM FROST Triple Rinse Containers, Puncture and Invert to Dry at time of Use

SAFETY PRECAUTIONS

Operator protection:

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE GLOVES when handling the concentrate.
WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS, HOOD) AND SUITABLE PROTECTIVE GLOVES when applying via air assisted spraying equipment.
WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when applying via hand-held equipment.

WASH CONCENTRATE from skin or eyes immediately.
WASH HANDS AND EXPOSED SKIN before eating, drinking or smoking and after work.

Do not eat, drink or smoke when using this product.

Obtain special instructions before use.

Contaminated work clothing should not be allowed out of the workplace.

Wash contaminated clothing before re-use.

Avoid contact during pregnancy/while nursing.

Environmental protection:

DO NOT CONTAMINATE WATER with the product or its container. Do not clean application equipment near surface water. Avoid Contamination via drains from farmyards and roads.

Crops sprayed with horizontal boom sprayer: To protect aquatic organisms respect an unsprayed buffer zone of 3m to surface water bodies

Crops sprayed with orchard/blast sprayer: To protect aquatic organisms respect an unsprayed buffer zone of 20m to surface water bodies

Storage and Disposal:

Keep out of reach of children

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of safely.

A systemic fungicide for
the control of APPLE
SCAB, PEAR SCAB and
POWDERY MILDEW in
APPLES and PEARS,
AMERICAN GOOSEBERRY
MILDEW in CURRANTS,
RASPBERRY and

GOOSEBERRIES,
POWDERY MILDEW in
field and protected
STRAWBERRIES,
protected AUBERGINE,
PEPINO, PEPPERS,
COURGETTE
CUCUMBER, GHERKINS,
PUMPKIN and POWDERY
MILDEW/BLACKSPOT
and RUST in field and
protected WOODY
ORNAMENTAL and RUST
and POWDERY Mildew in
field and protected
ORNAMENTALS FLOWERS.



Product Identifier according to Art.18 of Reg. (EC) No 1272/2008 (CLP): Systhane® 20EW; Myclobutanil

WARNING

Causes serious eye irritation.

Suspected of damaging the unborn child.

May cause damage to organs through prolonged or repeated exposure.

Toxic to aquatic life with long lasting effects.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/clothing/eye/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Get medical advice/attention if you feel unwell.

Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste

Repeated exposure may cause skin dryness or cracking.

To avoid risks to human health and the environment, comply with the instructions for use.

PCS No. 04944

Approval holder:

Dow AgroSciences Limited

CPC2 Capital Park, Fulbourn,

Cambridge, CB21 5XE

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For Technical Enquiries

Please Call: 0800 6898899

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or an affiliated company of Dow

IMPORTANT INFORMATION

FOR USE ONLY AS A HORTICULTURAL FUNGICIDE

Crops/Situations:

Apple, pear, blackcurrant (field), red currant (field), white currant (field), gooseberry (field), strawberry (field and protected), raspberry (field), aubergine (protected), pepino (protected), peppers (protected), zucchini (protected), cucumber (protected), gherkin (protected), pumpkin (protected), vines (field), woody ornamentals (field and protected), ornamental flowers (field and protected)

Maximum Individual Dose:

Maximum Total Dose:

Latest Time of Application:

} Full details are given in the Important Information area on the attached leaflet

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 PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

Distributed by:

Lodge Farm, Coat Hall Lane

Galleywood, Chelmsford

Essex, CM2 8FH

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Fax: 01245 494165

Landseer
LIMITED

DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

IMPORTANT INFORMATION			
FOR USE ONLY AS A HORTICULTURAL FUNGICIDE			
Crop/situations	Maximum Individual Dose	Maximum Total Dose	Latest Time of Application
Apple, pear	0.45 litres product/ha	0.9 litres product/ha/annum	14 days before harvest (see Other Specific Restrictions 1)
Blackcurrant (field), red currant (field), white currant (field) and gooseberry (field)	0.15 litres product/ha	0.45 litres product/ha/annum	14 days before harvest (see Other Specific Restrictions 2)
(field)	0.5 litres product/ha	1 litres product/ha/annum	14 days before harvest (see Other Specific Restrictions 3)
Strawberry (protected)	0.3 litres product/ha	0.9 litres product/ha/annum	3 days before harvest (see Other Specific Restrictions 3)
Raspberry (field)	0.15 litres product/ha	0.45 litres product/ha/annum	14 days before harvest (see Other Specific restrictions 2)
Aubergine (protected), pepino (protected), peppers (protected), zucchini (protected), cucumber (protected), gherkin (protected)	0.15 litres product/ha	0.45 litres product/ha/annum	3 days before harvest (see Other Specific Restrictions 4)
Pumpkin (protected)	0.15 litres product/ha	0.45 litres product/ha/annum	7 days before harvest (see Other Specific Restrictions 5)
Vines (field)	0.14 litres product/ha	0.42 product/ha/crop	14 days before harvest (see other Specific Restrictions 5)
Woody ornamentals (field and protected)	See Other Specific Restrictions 6	-	(see other Specific Restrictions 6)
Ornamentals flowers (field and protected)	See Other Specific Restrictions 7	-	(see other Specific Restrictions 6)
Other Specific Restrictions:			
(1) Apple (field), Pear (field) Minimum interval between applications: 8 days			
(2) Blackcurrant (field), red currant (field), white currant (field) and gooseberry (field), raspberry (field) Minimum interval between applications: 11 days			
(3) Strawberry (field) Minimum interval between applications: 10 days Strawberry (protected) Minimum interval between applications: 7 days			
(4) Aubergine (protected), pepino (protected), peppers (protected), zucchini (protected), cucumber (protected), gherkin (protected) Minimum interval between applications: 7 days			

- (5) Pumpkin (protected), Vines (field),
Minimum interval between applications: 10 days
- (6) For application in ornamental plant production a maximum concentration of 38 ml of product/100 litres of water must not be exceeded.
Maximum 3 applications
Minimum interval between applications: 10 days

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SYSTHANE 20EW with the active Myclobutanil is a systemic fungicide of the triazole class providing protectant, curative, and eradicant activity. It is primarily used as a preventative, alone or in combination with a contact fungicide or as part of a seasonal spray program. Secondly, it is used in a curative mode for control of early infections. Myclobutanil is a triazole fungicide, which acts by inhibiting sterol biosynthesis in fungi.

TAINT TESTING

Taint tests have shown that SYSTHANE 20EW does not taint apple and currants, but growers should consult processors before use on any other crop.

RESISTANCE

SYSTHANE 20EW contains a DMI fungicide. Sensitivity shifts to some DMI fungicides has been identified in Apple Scab (*Venturia inaequalis*) which may affect the performance of some products.

As part of an effective resistance risk management strategy it is advised to apply Systhane 20EW as a preventative application at full label rate to ensure full crop coverage. Use Systhane 20EW in mixture or alternate with a different mode of action product at a rate which is effective on the target pathogen.

For further advice on resistance management in DMIs contact your agronomist or specialist advisor, and visit the FRAG-UK website.

Certain weeds, insects or fungi may develop resistance to Landseer products. Since such circumstances are beyond our control, Landseer Limited can accept no responsibility for any loss or damage whatsoever as a result.

MIXING

SYSTHANE 20EW Alone: Shake the container well before use. Partially fill spray tank with water and start agitation. Pour required amount of Systhane 20EW into the tank and fill to required level. Maintain agitation during mixing and loading and until spraying is complete.

Tank mixing with Karamate Dry Flo Neotec or PP Captan 80 WG: Pour the SYSTHANE 20EW into the partially filled spray tank as described above. Remove the filter basket and pour the required amount of Karamate Dry Flo Neotec or PP Captan 80 WG directly into spray tank. DO NOT add the Karamate Dry Flo Neotec or PP Captan 80 WG in a sudden large quantity. Agitate whilst topping up the tank and continue agitation before and during spraying.

APPLES AND PEARS

SYSTHANE 20EW is a systemic fungicide with protectant and curative activity against apple scab (*Venturia inaequalis*), apple powdery mildew (*Podosphaera leucotricha*) and pear scab (*Venturia pirina*).

SYSTHANE 20EW is most effective when used as part of a routine preventative spray programme from bud burst to the onset of petal fall. SYSTHANE 20EW is safe to use during flowering. From the onset of petal fall SYSTHANE 20EW should be tank-mixed with low rates of protectant fungicides to enhance fruit scab control. From mid June, SYSTHANE 20EW can be applied alone for the control of secondary mildew.

SYSTHANE 20EW and SYSTHANE 20EW + Karamate Dry Flo Neotec mixtures are safe to use on all the main commercial varieties of apples and pears grown in the UK. For PP Captan 80 WG mixtures with SYSTHANE 20EW please consult the PP Captan 80 WG label for details of varietal restrictions.

SPRAY TIMING AND RATES OF USE

To control leaf scab and reduce the development of powdery mildew from primary infections, apply SYSTHANE 20EW from bud burst to the onset of petal fall. To improve control of fruit scab after the onset of petal fall, tank mix SYSTHANE 20EW with either Karamate Dry Flo Neotec or PP Captan 80 WG (see COMPATIBILITY and MIXING).

Minimum spray interval	Bud burst to onset of petal fall	From onset of petal fall	
	SYSTHANE 20EW	Tank mix the listed rates of SYSTHANE 20EW with either:	
		PP Captan 80WG	Karamate Dry Flo
8-10 days	0.34 litres	0.85 kg	2.0 kg
10-14 days	0.45 litres	1.2 kg	-

If the above spraying intervals have been unavoidably extended, the next spray should be at the 8-10 day rate(s) to maximise the curative activity of SYSTHANE 20EW.

In periods of rapid growth or high disease pressure, SYSTHANE 20EW and partner fungicides should be used at 8-10 day instead of 10-14 day intervals.

Pest	Apple powdery mildew (<i>Podosphaera leucotricha</i>), apple scab (<i>Venturia inaequalis</i>) and pear scab (<i>Venturia pirina</i>)
Rate	0.34 l/ha (8-10 day interval) 0.45 (10-14 day interval)
Water volume	200-500 liters per hectare
Maximum number of applications	2
Time of application	Apply SYSTHANE 20EW from the beginning of bud burst. Where disease pressure is high, use the shorter spray interval for optimum disease control.
Latest time of application	14 days before picking fruit

CURRANTS (BLACK, RED, WHITE), GOOSEBERRIES AND RASPBERRIES

SYSTHANE 20EW is most effective when used as part of a routine preventative spray programme from just before the first signs of mildew infection up to two weeks before picking if necessary.

Pest	Powdery Mildew (<i>Sphaerotheca mors-uae</i>)
Rate	0.15 l/ha
Water volume	400-1000 litres per hectare
Maximum number of applications	3
Time of application	Apply SYSTHANE 20EW from the first leaves unfolded for currants and white bud stage for gooseberry and raspberry. First application should be made at early infection at a minimum of 11 days intervals
Latest time of application	14 days before picking fruit

STRAWBERRIES

SYSTHANE 20EW should be applied pre-harvest, beginning at or just prior to first flower and thereafter at the recommended spray intervals up to 3 days (protected) or 14 days (field) before picking. Post-harvest sprays may be required where mildew is present and likely to be damaging (especially mildew susceptible varieties). This will help to produce vigorous growth and reduce the amount of over-wintering inoculum.

STRAWBERRIES - PROTECTED USE SPRAY TIMING AND RATE OF USE

Pest	Powdery Mildew (<i>Sphaerotheca macularis</i>)
Rate	0.3 l/ha
Water volume	400-1000 liters per hectare
Maximum number of applications	3
Time of application	Apply SYSTHANE 20EW from the first set of flowers at the bottom of the rosette. First application should be made at early infection at a minimum of 7 day intervals
Latest time of application	3 days before harvest

STRAWBERRIES - FIELD USE SPRAY TIMING AND RATE OF USE

Pest	Powdery Mildew (<i>Sphaerotheca macularis</i>)
Rate	0.5 l/ha
Water volume	1000-2000 liters per hectare
Maximum number of applications	2
Time of application	Apply SYSTHANE 20EW from the first set of flowers at the bottom of the rosette. First application should be made at early infection at a minimum of 10 day intervals
Latest time of application	14 days before harvest

CUCURBITS (EDIBLE AND INEDIBLE PEEL): CUCUMBER, COURGETTE, GHERKIN, PUMPKIN - PROTECTED

CUCURBITS (EDIBLE PEEL): CUCUMBER, COURGETTE, GHERKIN,- PROTECTED SPRAY TIMING AND RATE OF USE

Pest	Powdery mildew (<i>Sphaerotheca fuliginea</i>) (<i>Erysiphe cichoracearum</i>)
Rate	0.15 l/ha
Water volume	400-1000 litres per hectare
Maximum number of applications	3
Time of application	Apply SYSTHANE 20EW from third leaf unfolded at a minimum 7 day interval between applications.
Latest time of application	3 days before harvest

CUCURBITS (INEDIBLE PEEL) - PUMPKIN - PROTECTED**SPRAY TIMING AND RATE OF USE**

Pest	Powdery mildew (<i>Sphaerotheca fuligenia</i>) (<i>Erysiphe cichoracearum</i>)
Rate	0.15 l/ha
Water volume	400-1000 litres per hectare
Maximum number of applications	3
Time of application	Apply SYSTHANE 20EW from third leaf unfolded at a minimum 10 day interval between applications.
Latest time of application	7 days before harvest

SOLANACEAE: AUBERGINE, PEPINO, PEPPER - PROTECTED**SPRAY TIMING AND RATE OF USE**

Pest	Powdery mildew (<i>Leveillula taurica</i>)
Rate	0.15 l/ha
Water volume	400-1000 litres per hectare
Maximum number of applications	3
Time of application	Apply SYSTHANE 20EW from third leaf unfolded at a minimum 7 day interval between applications.
Latest time of application	3 days before harvest

VINES**SPRAY TIMING AND RATE OF USE**

Pest	Powdery mildew (<i>Uncinula necator</i>) Black Rot (<i>Gugignardia bidwellii</i>)
Rate	0.14 l/ha
Water volume	400-1600 litres per hectare
Maximum number of applications	3
Time of application	Apply SYSTHANE 20EW from the first flower hoods detached stage at a minimum 10 day interval between applications.
Latest time of application	14 days before harvest

ORNAMENTAL FLOWER PRODUCTION AND WOODY ORNAMENTALS - FIELD AND PROTECTED CROPS

SYSTHANE 20EW can be used on spring and summer flowering species intended for cut flower production and will give effective and reliable control of a range of ornamental flower diseases (rusts, powdery mildew and leaf spot diseases) in flowers, shrubs and trees.

RATE OF USE AND APPLICATION METHOD

Apply SYSTHANE 20EW at a maximum concentration of 38 mL product in 100L of water Spray foliage to run-off.

NOTE

In view of the large number of species and cultivars grown it is recommended to test SYSTHANE 20EW on a small number of plants to confirm plant safety before spraying the crop.

APPLICATION RATE AND TIMING OF SYSTHANE 20EW**ORNAMENTAL SHRUBS, TREES AND NURSERY - FIELD AND PROTECTED CROPS**

Pest	Assorted rust species, Powdery mildew species and leaf spot diseases
Rate	38 mL/100 L water
Maximum number of applications	3
Time of application	Apply SYSTHANE 20EW from three true to leaves on 10 day intervals

ORNAMENTAL FLOWERS - FIELD AND PROTECTED CROPS

Pest	Assorted rust species including Japanese (White) Rusts (<i>Puccinia horiana</i>), (<i>Uromyces dianthi</i>) Black spot (<i>Diplocarpon rosae</i>), Rose rust (<i>Phragmidium tuberculatum</i>) Powdery mildew (<i>Podosphaera pannosa</i>)
Rate	38 mL/100 L water
Maximum number of applications	3
Time of application	Apply SYSTHANE 20EW from three true to leaves on 10 day intervals

COMPATIBILITY

SYSTHANE 20EW is compatible with Karamate Dry Flo Neotec and PP Captan 80 WG.

For compatibility information on other products please contact your dealer or advisor.

TRADEMARK ACKNOWLEDGEMENTS

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Dow AgroSciences 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 or 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. 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.

To access the Safety Data Sheet for this product scan the QR code or use the weblink below:



<http://uk.dowagro.com/wp-content/uploads/SYSTHANE-20EW-IRL-SDS.pdf>

Alternatively contact the supplier

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Systhane[®]

20EW Fungicide

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GOOSEBERRIES,
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Maximum Individual Dose: }

Maximum Total Dose: }

Latest Time of Application: }

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