Uperator protection: Figingering control of operator exposure must be used where reasonably practicable in addition to the new independent protective equipment. WEAR SUITABLE PROTECTIVE GLOVES when handling the concentrate and when applying the hand-like. However, engineering controls may replace personal protective equipment if a COSHH asset provide an equal or higher standard of protection. (UK only) WASH HANDS AND EXPOSED SKIN before meals and after work. WASH CONCENTRATE from skin or eyes immediately. WASH CONCENTRATE from skin or eyes immediately. Do not contaminate water with the product or its container. (Do not close applications product on the container of the containe Environmental protection: REPUBLIC OF IRELAND: To protect aquatic organisms respect an unstanded unfer zone of 5m to surface water bodies. Air assisted Sprayers. To protect aquatic organisms, respect an unsprayed buffer zone of 40m to surface water bodies. Of 40th us surface water courses. Storage and disposal: KEEP AWAY FROM FOOD, DRINK AN A 6 6 0 0 8 9 5 1 AMIMAL FEDING STUPFS WASH DUT CONTAINER THOROUGHLY, empty washin into a spray tank and dispose of safely. A 6 6 C 0 8 9 5 1 DO NOT RE-USE CONTAINER for any purpose.

SAFFTY PRECAUTIONS

Operator protection:



A suspension concentrate containing 480 g/litre (44.03% w/w) spinosad.

A selective insecticide for use in FIELD VEGETABLES and FRUIT CROPS for the control of CATERPILLAR PESTS and useful control of CABBAGE ROOT FLY and THRIPS including

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of

FOR USE ONLY AS A PROFESSIONAL INSECTICIDE. READ DIRECTIONS FOR USE ON ATTACHED LEAFLET. PROTECT FROM FROST.

PROFESSIONAL USE ONLY

Triple Rinse Containers. Puncture and Invert to Dry at time of Use

Marketed by: Landseer Limited Corteva Agriscience UK Limited CPC2 Capital Park, Fulbourn, Lodge Farm, Goat Hall Lane Cambridge, CB21 5XE Galleywood, Chelmsford Telephone: (01462) 457272 Essex. CM2 8PH Technical Hotline: 0800 689 8899 or Telephone: (01245) 357109 email ukhotline@corteva.com Fax (01245) 494165 24-hour Emergency Telephone Number: +44 (0) 161 8841 235 (UK)

+353(0) 76 680 5288 (IE) National Poisons Centre (Dublin): 01 809 2166

National Poisons Service (UK): 111

NET CONTENTS : 0.5 LITRE ⊕



SAFETY INFORMATION

WARNING

Very toxic to aquatic life with long lasting effects. Collect spillage.

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.

Contains 1,2-benzisothiazolin-3-one. May produce an allergic reaction. To avoid risks to human health and the environment, comply with the instructions for use. MAPP 12438/PCS No. 02649

IMPORTANT INFORMATION

FOR USE ONLY AS A PROFESSIONAL INSECTICIDE

Crops/Situations: Apple, pear, crab apple, quince, outdoor

crops of broccoli, Brussels sprout, cabbage, calabrese, cauliflower, Chinese cabbage, leek, bulb onion, salad onion, garlic and shallot and protected crops of strawherry

Maximum Individual Dose:

Maximum Number of Treatments: } Full details are given in the Important Latest Time of Application: Information area on the attached leaflet

Other Specific Restrictions: 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.

This label is compliant with the CPA Voluntary Initiative Guidance. (UK only).



DIRECTIONS FOR USE

IMPORTANT: This leaflet is approved as part of the Product Lab and instructions within this section and be read carefully in order to obtain safe and successful use on a product. read carefully in order to obtain safe and successful use on a proceed

IMPORTANT INFORMATION FOR USE ONLY AS A PROFESSIONAL INSE	CTICIDE		
Crops	Maxı. ym li, 'vidua, 'se	Maximum Nui. `er o. Treatmen*	La. est Time of Application
Apple, pear, crab apple, quince pre-blossom	150 m product/ha	1 per cru	7 days before harvest
post-blossom	inL product/ha	3 _r r crop	
Broccoli (outdoor), Brussels s, out (outdoor), cabbage (outdoor), cauliflowe (outdoor), broccoloutdoor), broccoloutdoor),	12 mL product/ 1000 module plants	per cro (See Other Spulie Restrictions)	Pre-planting, 6 leaf stage
(outdoor), calabres (outdoor), Chinese cabbage (outdoor)			
Broccoli (r. idoor), Brusse sprout (outdoor), 'abbree (outdoor), calabrese (outdoor), cannilower (eutdoor), Chinese cabbage (outdoor)	COL mL prod ct/he	4 per crop	3 days before harvest
Leek (outdoor), bulb onion (outdoor salad onion (outdoor), garlic (outdoor) shallot (outdoor)	200 L z product/ha	3 per crop	7 days before harvest
Strawberry (protected) Other Specific Restrictions:	150 mL product/ha (15 ml per 100 litres of water)	3 per crop (See Other Specific Restrictions)	1 day before harvest

Other Specific Restrictions:
For protected strawberry apply a maximum of 2 consecutive sprays followed by a minimum 28 day interval before any further applications.

Following Brassica pre-planting applications, only 2 further applications of spinosad may be made. Module drench treatments to brassica crops must not be made by hand held equipment.

In protected situations the total number of applications of any spinosad containing product must not exceed 6 per glasshouse/protected structure in a 12 month period, regardless of the crop being treated (including ornamentals).

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 Protections Products.

TRACER insecticide has a very specific pest spectrum. Only apply TRACER against pests and crops on the label.

Taint tests have not been conducted using TRACER. Growers should consult processors before use.

Following application allow 12 hours for TRACER to become rainfast before applying irrigation.

Wash spray tank and equipment (including knapsack sprayers) thoroughly with water and a liquid detergent immediately after use. Spray out. Fill with clean water and leave overnight. Spray out again before using another product.

MODE OF ACTION

TRACER enters the insect primarily through contact and ingestion. Contact occurs by direct application or by insect movement on a treated surface. Ingestion occurs from feeding on treated surfaces. Following entry, TRACER acts on a unique neuro-receptor site of the insect. Symptoms appear almost immediately and complete mortality occurs within a few hours. TRACER is not systemic but does show translaminar movement.

CROP SAFETY

Outdoor Crops

TRACER has been tested on a wide range of outdoor crops. TRACER has good plant safety when applied at different growth stages, including flowering.

Modular drench application to brassicas

Users should refer to and follow the specific instructions for applying drench treatments.

Protected Strawberry

It is recommended to test TRACER on a small number of plants to confirm the crop safety before spraying a large area.

Non-printed area on page 2 ONLY « Label A-code + barcode area »

> Non-printed area on page 2 ONLY (on the back of 2D code area printed on the front page)

RESISTANCE

To reduce the possibility of the development of resistal to

- Total reliance on one pesticide will hasten the develorm of of esistance: Spinosad has a dimerent mode of action from other insecticides and is more constitute when applied in planner program as with other insecticides with different modes of action
- Avoid use of the same active ingredient or ande conction on consecutive or perations of insects. However, multiple applications to reduce a large generation are acceptable. If untertain of the generation cycle, no more than two consecutive approactions (the protected crops) should be used nor should there be continuous use for more than 3 days. Do bt use TRACER on consecutive parenations for insects which show a high risk of resistance such as thrip species.
- Restrict the number of sprays an online than six applications per passion as a spray as a spouse protected structure in a 12 month period of any sprays containing product regard as coron in greated (including ornamentals).
- Do not use reduced, helicas what applied alone or in tack mixtures.

- Onion thinks have shown resistance to certain clamical groups including spinosad. Where resistance is confined, TRACEH, unlikely to give an factory ont it. Resistance management steps should be taken as it is a new and a nigh resistance ris pest prote a crops / plants, carry out careful monitoring.
- Apply when onion thrips are first seen and regulation application if needed after 10 days for leeks, bulb onion, salad onion, gar. shallot. It is year the TRAC R applied before the pest becomes well established in the crop.
- Apply no further sprays of TR CER (o. my mer spinosad containing product) once the maximum number of foliar sprays have been pried or a mail mum of 2 foliar sprays on brassicas if a pre-planting modular drench application of TRACE (has ready made).
- If thrips are already establis ed consider using a product with knockdown activity such as dimethoate before applying TRACER.
- On brassicas, only one pre- unting modular drench application should be made per crop to protect against attack from cabbage root fly with subsequent foliar applications of TRACER restricted to 2 sprays per crop.
- Carry out careful monitoring. For caterpillar control apply TRACER at egg hatch in top fruit and when pests are first seen in other field crops. Repeat applications at 10 day intervals only if needed.
- Applications should be targeted against early insect developmental stages whenever possible.
- possibilities of resistance occurring.

PROTECTED STRAWBERRY CROPS

- · Western flower thrips have shown resistance to certain chemical groups including spinosad. Where resistance is confirmed, TRACER is unlikely to give satisfactory control. Resistance management steps should be taken as it is considered a high resistance risk pest in protected crops / plants, carry out careful monitoring.
- · Before undertaking a spray programme with TRACER establish whether incoming plant material has previously been treated with TRACER or another spinosad containing product.
- Carry out careful monitoring and apply when Western flower thrips are first seen making repeat applications at 7 day intervals only if needed, with a maximum of two consecutive spinosad sprays to protected strawberry. Leave at least 28 days before any further applications of TRACER (or any other spinosad containing product) in the structure (even if only treating some of the plants).
- For protected strawberry crops restrict the total number of sprays to no more than three applications of TRACER per strawberry crop. In multi-cropping situations restrict the total number of sprays to no more than 6 in a 12-month period in the same glasshouse or structure of any spinosad containing product regardless of the crop being treated (including ornamentals and all year round (AYR) chrysanthemums).
- DO NOT EXCEED 6 APPLICATIONS OF ANY PRODUCT CONTAINING SPINOSAD PER GLASSHOUSE/ PROTECTED STRUCTURE IN A 12-MONTH PERIOD
- . Apply in programmes with other insecticides with a different mode of action and use no further sprays of TRACER (or any other spinosad-containing product) once the maximum number of sprays have been applied.
- If the final insecticide application to a crop was spinosad, choose a different insecticide active ingredient to begin spraying on the next crop.
- · Applications should be targeted against early insect developmental stages whenever possible.
- Do not use reduced label rates.
- Whenever possible use an Integrated Pest Management programme
- · Choose resistant cultivars.

INTEGRATED PEST MANAGEMENT

- Whenever possible use an Integrated Pest Management programme.
- . For further information and the latest advice on beneficial insects and mites and their integrated use with TRACER consult Landseer Limited.

Do not apply in the heat of the day when bees may be foraging as contact with direct spray may be harmful. • If possible, include multiple tactics (eg cultural or biological controls) when using Integrated Pest Management Remove the hive during spraying as exposure to direct spray may be harmful to bees. Corteva Agriscience take the most restrictive approach and recommend that a period of 24 hours after application and all spray deposits • Use TRACER in programmes with other effective insecticides of a different mode of action to reduce the are thoroughly dry before exposure of bees. Water pools with residues of spinosad will continue to pose a risk and should be avoided.

OUTDOOR CROPS

- TRACER can be used in an integrated pest management str. or in top fruit as it has been found have no long term adverse effects on predatory bugs Anthoc. spp. the rolatory mite Typ hard or spy.

 Overall applications of TRACER to control pests in field racicas, ks, onions and stramerry low risk to predatory insects and mites both in the pint canopiran, on the soil below. The signs to parasitic Hymenoptera but these effects are of short duracing we ks) as the persistence of Truccer is low and recovery of these highly mobile species would be racing to the soil below. recovery of these highly mobile species would a rap.
- TRACER, when used according to good gricultral publice is unlikely to post an acceptable risk to honeybees and beneficial arthropods

Modular Drench application

It is best practice to make moule soray and it is best practice to make moule soray and it is best practice to make moule soray and it is best practice to make moule soray and it is best practice to make moule soray and it is best practice to make moule soray and it is best practice to make moule soray and it is best practice to make moule soray and it is best practice to make moule soray and it is best practice to make moule soray and it is best practice to make moule soray and it is best practice to make moule soray and it is best practice to make moule soray and it is best practice to make moule soray and it is best practice to make moule soray and it is best practice to make moule soray and it is best practice to make moule soray and it is best practice.

populations of beneficial insection and esh cally parasitic wash are pused in high numbers.

If module plants are laised is part of an integrated nest manager, in system then follow the directions given for protected crops

PROTECTE / CROPS

- As part of in let grace. Pest Managemen prog. mme:

 Inspect all microming lant material for puseend of Western flower thrip and treat if necessary.
- Monitor stock continely to determ the speed or introl measures.
 Use screens or barriers to preve tinsect, mig. ang.
- Use predators and parasites
- Exposure to direct spray s har, ful to humble bees, but dry spray deposits are harmless.
- Carefully choose any che nical roducts used in the pesticide programme and consider any side effects on bees and beneficial arthropods

TRACER has been tested on a will range of predators and parasites used to control pests in protected crops. The active ingredient, spinosad has been shown to be of low impact to many insect and mite predators but harmful to adults of most parasitic wasps (Hymenoptera).

When applied to plants where insect and mite predators are present TRACER may cause a temporary reduction

For susceptible predators (parasitic hymenoptera) re-introduction is possible after 7 days following application Class 4 (with perhaps 14 days in winter months). For most other predators introduction is possible 24 hours after application. Re-introduction of *Orius laevigatius* is advised one week later.

Beneficials may be safely introduced to treated plants after an application of TRACER according to the following

TRACER Recommendations for Integrated Use with Predators and Parasites			
Beneficial Type	Species	*Toxicity Class Rating	Introduction Best Practices
Predatory mites	Phytoseiulus persimilis	Harmless (1)	Data suggest predatory mites introduced
	Amblyseius californicus	Harmless (1)	when spray deposits are dry may be affected but will recover after 24 hours.
	Amblyseius cucumeris	Harmless (1)	anostou but wiii 1000 voi aitoi 2 i nouio.
Predatory insects	Chrysoperla carnea	Harmless (1)	Data suggest predatory insects introduced
	Orius laevigatus	Slightly harmful (2)	when spray deposits are dry may be affected but will recover after 24 hours. O.laevigatius in best introduced after
	Orius insidiosus	Harmless (1)	7 days. <i>M.caliginosus</i> may be introduced on
	Aphidoletes aphidimyza	Harmless (1)	the day of application once spray deposits are dry. If TRACER is applied directly to
	Macrolophus caliginosus	Harmful (4)	plants containing <i>M.caliginosus</i> there may be a short-term reduction in numbers.
Parasitic wasps	Aphidius colemani	Moderately Harmful (3)	Direct applications of TRACER are harmful to parasitic wasps. Wait at least 7 days
	Encarsia formosa	Moderately Harmful (3)	after an application of TRACER before introducing new parasites
	Trichogramma brassicae	Harmful (4)	
	Diglyphus isaea	Harmful (4)	

*Toxicity ratings:

Class 1 Harmless less than 25% reduction

Class 2 Slightly harmful 25-50 % reduction

Class 3 Moderately harmful 50-75 % reduction

Harmful more than 75% reduction

APPLE, PEAR, CRAB APPLE, QUINCE

NOTES

To avoid variable performance timing of application should be achieved. Optimal timing of application of TRACER p. sto. sson, for control of cateroillar, is when first egg hatch is predicted based on threshold counts in the same of the specific part of t

PRE-BLOSSOM:

Pest	Over wintered tortrix oths	
Rate	150 mL //	
Water volume	300 to 500 l res of water per hectare	
Maxi tum number of applications	ine _k e-blos: im	
Time or application	Apply re-blosom from early green cluster when first signs of active larvae which spin themselves into webs are first observed.	
Latest time of application	n / lays pefore harvest	

POST-BLOSSOM:

Pest	Summer fruit tortrix moth, codling moth
Rate	250 mL/ha
Water volume	300 to 1500 litres of water per hectare
Maximum number of applications	3 post-blossom
Time of application	Apply post-blossom when first egg hatch is predicted based on threshold counts in pheromone traps being reached. Carefully monitor pest development to determine whether repeat applications are necessary. If required, make a repeat application of TRACER (or a similar compound with activity against moth larvae) timed to coincide with egg hatch of the larvae. Effective control of caterpillars in top fruit usually requires several insecticide sprays per year. A 2 or 3 spray programme at 10 day intervals may be needed when conditions favour rapid pest development. Where possible, apply TRACER in programmes with products with a different mode of action as a good resistance management strategy. Codling moths, summer fruit tortrix moths: MidJune to August in most seasons. Fruit tree tortrix moth: Limited data suggest that useful control of fruit tree tortrix moths can be achieved when the label rate for summer fruit tortrix moth and codling moth is applied. Severe or late attacks in late July or early August may require further applications.
Latest time of application	7 days before harvest

OUTDOOR BRASSICA CROPS (Broccoli, Brussels & Yout, Jabbay, calabrese, carrierower, chinese cabbage)

MODULAR DRENCH TREATMENT

Pest	Cabbage routly
Rate	60 mL/\$ 100 pix 1ts
Water volume	5 Jit of w. or per 5000 plants
Maximum number of applications	prior to planting out. ollowing odular drench treatment with RACER only 2 foliar a Dication of spinosad may be made to the crop.
Time of application	Crops should be treated idea of at the 3 to 4 leaf stage. Only good crops with good leaf condition that a greening vigorously should be treated.
Latest time of april cation	o leaf stage.

Application is a three to ge process:

- a) moister the leaves of the plants to be tree? I immediately vior to treatment b) apply the TRA convenience.
- c) wash off me TRACF I drench from leaves of plants with water

It is important the total volume of the true of in these three stages does not exceed the water holding.

Further treatments to control cabbage root fly larvae may be required in areas of high activity. capacity of the modules, otherwis sleaching of the TRACER will occur which may reduce cabbage root fly control and lead to contamic and on inderly lig glasshouse soil (see 'Notes' below).

The water volumes below are given as a guide for modules of 11 to 13 mL capacity (the minimum size and hence the minimum volume reconstruction of the decision of the decision

Leaves of the plants should be will.ded with a light spray of water immediately before treatment using 2 litres per 5,000 plants.

TRACER should then be applied at 60 mL in 5 litres of water per 5,000 plants.

Immediately after treatment the insecticide must be thoroughly washed off the leaves of the plant with clean water, using 5 litres of water per 5,000 plants.

NOTES FOR MODULE APPLICATION

TRACER MUST BE APPLIED ALONE. Tank mixing of TRACER for this use may produce severe leaf scorch.

TRACER will provide partial or useful control of cabbage root fly between 6 to 8 weeks after treatment, and will improve plant establishment and reduce root damage with the resultant marketable yield benefits.

If plants are still vulnerable and there is a risk of further infestation after this time then a follow up application in the field may be required with a suitable product. This is particularly important if plants are treated before the start of April and the arrival of the first generation.

Breakdown of TRACER in soils inside glasshouses is rapid and spinosad does not accumulate or leach in soils. However, best practice should avoid applying TRACER in such a large volume of water that it passes through the compost. Also prevent the spray contaminating the pathways and covered areas surrounding the trays being treated. This can be done in a number of ways eg interceptor trays, polythene sheeting, use of correct water volumes etc. After use, remove plastic sheeting, wash down and dispose of safely.

When handling recently drenched trays of plants it is best practice to wear protective rubber gloves and coveralls.

Modules should generally be transplanted as soon as possible after treatment. However, TRACER can be leached out of the compost if the modules are over watered and so best practice is to not move the plants for the first 24 hours after application. If plants are to be despatched freshly watered, TRACER should be applied a few days beforehand to ensure that it is not leached from the module during the final watering.

Transplanting of treated blocks and modules to a depth which brings untreated soil into contact with plant stems above the top of the block or module will lead to reduced control.

OUTDOOR BRASSICA CROPS (Broccoli, Brussel' sprovil, cablinge, calabrese, couliflower, PROTECTED CROPS OF STRAWBERRY chinese cabbage) FOLIAR TREATMENT

Pest	Caterpill Contro of L. mond back moth, small abbay white butterfly, large cabb. e. with utterfly, and useful control of a re cabbage moth
Rate	200 m. 'ha
Water volume	200 to 60c "tres of water per hectar
Maximum number of application	4 per c p OR if a modular drench police on of TRACER has been made, 2 per crop on brassicas.
Time of application	when damage is first see and preferably when caterpillars are small. If repeat applications are required try to use in programmes with other insecticides with a diagram mode of action.
Latest time of uplica on	3 days before harvest

OUTDOOD LEEL BULB ONION, SALAL ONION, GARLIC, SHALLOT

and adults are first seen or at very first signs of crop damage. Oni thrips have shown resistance to certain chemical groups and resistan management steps should be taken. It is important to monitor pe levels and apply a maximum of two sprays at 10 day intervals dependi on the pest pressure. For resistance management purposes there mute a minimum interval of 28 days after the second application befort any further applications of TRACER are made. It is vital that Tracer applied before the pests become well established in the crop. If thri		
Water vol: — 200 tt 60' utres of water per hectare Maximum number of applica ons 3 er c op Time of application Ea y application to control the pest is essential. Apply when nymp and adults are first seen or at very first signs of crop damage. Oni thrips have shown resistance to certain chemical groups and resistan management steps should be taken. It is important to monitor pe levels and apply a maximum of two sprays at 10 day intervals dependi on the pest pressure. For resistance management purposes there must be a minimum interval of 28 days after the second application before any further applications of TRACER are made. It is vital that Tracer applied before the pests become well established in the crop. If thri are already well established in the crop consider using a product we knockdown activity such as dimethoate before applying TRACER.	Pest	Setu contro of nion thrips and reduction in damage
Time of application Ea y application to control the pest is essential. Apply when nymp and adults are first seen or at very first signs of crop damage. Oni thrips have shown resistance to certain chemical groups and resistan management steps should be taken. It is important to monitor pelevels and apply a maximum of two sprays at 10 day intervals dependi on the pest pressure. For resistance management purposes there must be a minimum interval of 28 days after the second application before any further applications of TRACER are made. It is vital that Tracer applied before the pests become well established in the crop. If thrif are already well established in the crop consider using a product we knockdown activity such as dimethoate before applying TRACER.	Rate	.100 m /ha
Time of application Ea y application to control the pest is essential. Apply when nymp and adults are first seen or at very first signs of crop damage. Oni thrips have shown resistance to certain chemical groups and resistan management steps should be taken. It is important to monitor pe levels and apply a maximum of two sprays at 10 day intervals dependi on the pest pressure. For resistance management purposes there must be a minimum interval of 28 days after the second application before any further applications of TRACER are made. It is vital that Tracer applied before the pests become well established in the crop. If thrif are already well established in the crop. If thrif are already well established in the crop consider using a product whockdown activity such as dimethoate before applying TRACER.	Water vol	200 to 30° litres of water per hectare
and adults are first seen or at very first signs of crop damage. Oni thrips have shown resistance to certain chemical groups and resistan management steps should be taken. It is important to monitor pe levels and apply a maximum of two sprays at 10 day intervals dependi on the pest pressure. For resistance management purposes there mube a minimum interval of 28 days after the second application beform any further applications of TRACER are made. It is vital that Tracer applied before the pests become well established in the crop. If thrifure already well established in the crop consider using a product well knockdown activity such as dimethoate before applying TRACER.	Maximum number of applica 'ons	3 er Lup
Latest time of application 7 days before harvest	Time of application	Ea y application to control the pest is essential. Apply when nympt and adults are first seen or at very first signs of crop damage. Onic thrips have shown resistance to certain chemical groups and resistance management steps should be taken. It is important to monitor pelevels and apply a maximum of two sprays at 10 day intervals dependin on the pest pressure. For resistance management purposes there mube a minimum interval of 28 days after the second application befor any further applications of TRACER are made. It is vital that Tracer applied before the pests become well established in the crop. If thrip are already well established in the crop consider using a product wit knockdown activity such as dimethoate before applying TRACER.
	Latest time of application	7 days before harvest

Pest	Control of Western Flower Thrip	
Rate	15 mL per 100 litres of water (to a maximum of 150 mL/ha)	
Water volume	200 to 1000 litres of water	
Maximum number of applications	3 per crop (2 consecutive)	
Time of application	It is important to monitor pest levels. Apply when nymphs and adults are first observed or at very first signs of crop damage. Applications should be made before thrips are established. During spraying, make sure that the inside and outside parts of the leaves and flowers are covered. The spray technique and the amount of water must cover the plant without causing run-off and control often depends on the quality of the spraying (machinery, quantity of water, etc). Best control is achieved by a sequence of 2 treatments at 7 day intervals (if needed). For resistance management purposes there must be a minimum interval of 28 days after the second application before any further applications of TRACER are made. This is an opportunity to allow beneficial insects to be effective in IPM programmes. Restrict the number of sprays to no more than 6 applications per glasshouse/ structure in a 12 month period of any spinosad containing product regardless of crop (including ornamentals) being treated. TRACER should be applied in programme with other insecticides and in combination with integrated pest management.	
Latest time of application	1 day before harvest	

To ensure thorough mixing of the product invert the container several times before opening. Half fill the spray tank with water, begin agitation and add the required quantity of TRACER. Fill up the spray tank, agitating continuously to ensure thorough mixing, and maintain agitation until spraying is complete. Use only clean water for mixing. Use the spray solution immediately after preparation.

SPRAY VOLUME

Water volume should reflect the need for uniform cover and pentry ion of the leaf canopy.

Crop	Water Volum	Comment
Apple, pear, crab apple, quince	Min: 300 mas/ha Max: 1500 tres. ha	is particularly imported when corraying postblossom to achieve firm enetration of the leaf canopy and uniform overage of the foliage and outcome.
Broccoli, Brussels sprout, cabbage, calabrese, cauliflower, Chinese cabbage, leek, bulb onion, sal a onion, garlic, shallot	Min: 200 litres/ha Max: 600 litres/ha	Ensure good venetral on of the foliage.
Strawberry (protected)	Min: 200 litres/ha Max: 1000 litres/ha	Entere or od penetration of the foliage.

APPLICATION EQ. "P. MENT

Apply TRAC_R using a rizontal boom sprayer or a broadcast air assisted sprayer.

For protected of standard ty crops apply TR/ CER billionive Handled hydraulic sprayer or by handheld applicators. Ensure spray equipment is in good morking or er and has been calibrated according to the manufacturers' recommendations.

TRADEMARK ACKNOW LEL 'Eh. NTS
TRACER is a trademark of 'orte' Agriscience and its affiliated companies.
All other brand names are traden arks of other manufacturers for which proprietary rights may exist

Corteva Agriscience 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

Alternatively contact your supplier 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.

COMPANY ADVISORY INFORMATION

Use in Organic Crops

Spinosad has met the necessary criteria to allow it to be included in Annex II of the EU Organic Regulation 2092/91/EC and is compatible with Organic Farming Standards. Organic growers should consult their organic authorisation body for derogation to use TRACER for on label and off-label approved crops. For further information please contact Corteva Agriscience.

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



https://www.corteva.co.uk/content/dam/dpagco/corteva/eu/gb/en/files/sds/TRACER-SDS.pdf

IRELAND



https://www.corteva.ie/content/dam/dpagco/corteva/eu/ie/en/files/sds/TRACER-IRL-SDS.pdf