



GROUP	23	INSECTICIDE
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Bayer CropScience

MOVENTO[®] 240 SC Insecticide

For control of certain insects on grapes, pome fruit, stone fruit, tree nuts, hops and vegetables.

COMMERCIAL

GUARANTEE: Spirotetramat..... 240 g/L

SUSPENSION

Contains 1,2-benzisothiazolin-3-one at 0.04%, 5-chloro-2-methyl-4-isothiazolin-3-one at 0.001% and 2-methyl-4-isothiazolin-3-one at 0.0004% as preservatives.

REGISTRATION NO. 28953 PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING

POTENTIAL SKIN SENSITIZER

NET CONTENTS : __ Litres

Product Information: 1-888-283-6847

www.bayercropscience.ca

Bayer CropScience Inc.
Suite 200, 160 Quarry Park Blvd. S.E.
Calgary, Alberta T2C 3G3

"In case of spills, poisoning or fire, telephone emergency response number 1-800-334-7577 (24 hours a day)."

NOTICE TO USER:

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed or absorbed through skin. Potential skin sensitizer. Avoid contact with skin or clothing. Prolonged or frequent repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

DO NOT apply this product using high-pressure hand wand equipment.

DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PROTECTIVE CLOTHING AND EQUIPMENT:

Mixers and loaders must wear long-sleeved shirt, long pants, chemical resistant gloves, and shoes plus socks. Applicators must wear long-sleeved shirt, long pants and shoes plus socks. When mixing, loading and applying using backpack workers must wear long-sleeved shirt, long pants, chemical resistant gloves, and shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove Personal Protective Equipment immediately after handling this product.
- Wash the outside of gloves before removing.
- As soon as possible, wash thoroughly and change into clean clothing.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at: www.croplife.ca.

FIRST AID:

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If swallowed	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Do not induce vomiting unless told to do so by a poison control center or doctor.• Do not give any liquid to the person• Do not give anything by mouth to an unconscious person.
If in eyes	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15 to 20 minutes.• Call a poison control center or doctor for treatment advice.

TOXICOLOGICAL INFORMATION:

Note to Physician: No specific antidote is available. Treat patient symptomatically

ENVIRONMENTAL HAZARDS

TOXIC to aquatic organisms.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay. Avoid application when heavy rain is forecast. Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

This product is TOXIC to bees through direct contamination of pollen and nectar. DO NOT apply this product during crop flowering period or when flowering weeds are present in the field, orchard or vineyard.

This product is TOXIC to certain beneficial insects. Minimize spray drift to reduce harmful effects on beneficial insects in habitats next to the application site, such as hedgerows and woodland.

TOXIC to non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.

STORAGE

To prevent contamination, store this product away from food or feed.

MOVENTO® 240 SC Insecticide is packaged in poly-ethylene containers. Do not allow product or containers to freeze. Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If container is leaking, invert to prevent leakage. If the container is leaking or material is spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below. In spill or leak incidents, keep unauthorized people away.

DISPOSAL

For Recyclable Containers: Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

Disposal of Unused, Unwanted Product: For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for cleanup of spills.

MOVENTO® 240 SC Insecticide is registered trademarks of Bayer.



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GENERAL INFORMATION

Section 1: Notices

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

Section 2: The Product

MOVENTO[®] 240 SC Insecticide is a Suspension Concentrate formulation. Following application to plant foliage, MOVENTO[®] 240 SC Insecticide is fully systemic, moving through phloem and xylem to all plant tissues including new shoot, leaf and root growth. MOVENTO[®] 240 SC Insecticide is active primarily by ingestion by immature insect life stages. Application should be timed to coincide with an early threshold level in developing insect populations. MOVENTO[®] 240 SC Insecticide can be applied by air, ground application equipment.

SAFETY AND HANDLING

Section 3: Precautions, Protective Clothing and Equipment

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

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DO NOT apply this product using high-pressure hand wand equipment.

DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PROTECTIVE CLOTHING AND EQUIPMENT:

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Section 4: First Aid and Toxicological Information
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FIRST AID:

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If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give any liquid to the person • Do not give anything by mouth to an unconscious person.
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TOXICOLOGICAL INFORMATION:

Note to Physician: No specific antidote is available. Treat patient symptomatically

Section 5: ENVIRONMENTAL HAZARDS

TOXIC to aquatic organisms.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay. Avoid application when heavy rain is forecast. Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

This product is TOXIC to bees through direct contamination of pollen and nectar. DO NOT apply this product during crop flowering period or when flowering weeds are present in the field, orchard or vineyard.

This product is TOXIC to certain beneficial insects. Minimize spray drift to reduce harmful effects on beneficial insects in habitats next to the application site, such as hedgerows and woodland.

TOXIC to non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.

Section 6: STORAGE

To prevent contamination, store this product away from food or feed.

MOVENTO[®] 240 SC Insecticide is packaged in poly-ethylene containers. Do not allow product or containers to freeze. Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

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Section 7: DISPOSAL

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If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

Disposal of Unused, Unwanted Product: For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for cleanup of spills.

DIRECTIONS FOR USE

Section 8: Crops and Pest

TREE AND VINE CROPS

Apply specified dosage of MOVENTO® 240 SC Insecticide early in the infestation as the population begins to develop or at early threshold for the target insect pest. The degree of control or suppression of labeled pests will be determined, in part, by the stage of pest development at application and infestation level of those pests.

Do not exceed the maximum amount of Movento 240 SC Insecticide per season.

Application rates within this label are based on mature trees and vines. Higher rates should be used for moderate to heavy insect pressure or where longer residual control is desired. Minimum application volumes: 500 L/ha for conventional ground airblast sprayer.

GRAPE and SMALL FRUIT VINE CLIMBING (except kiwifruit)

Crops of Crop Subgroup 13F including: Amur river grape, Chinese egg gooseberry, Grape, Maypop (passionflower).

Pests controlled	Rate mL/ha (g ai/ha)	Remarks
Whiteflies	365-435 (88-105)	Pre-Harvest Interval (PHI): 7 days. Minimum interval between applications: 30 days Maximum MOVENTO® 240 SC Insecticide allowed per crop season: 920 mL/ha (220 g ai/ha).
Mealybugs Phylloxera	365 - 585 (88 - 140)	
Pests suppressed		
Lecanium scale	365 - 585 (88 - 140)	

POME FRUIT

Crops of Crop Group 11 Including: Apple, Crabapples, Loquat, Mayhaw, Medlar, Pear, Oriental pear, Quince, Chinese quince, Tejocote, and all varieties and/or hybrids of these.

DO NOT use MOVENTO 240 SC Insecticide on pear trees when fruit is present, due to the possibility of adverse effects on the harvested commodity.

Pests controlled	Rate mL/ha (g ai/ha)	Remarks
Rosy apple aphid Apple aphids Whiteflies Pear psylla	365 - 435 (88 - 105)	Pre-Harvest Interval (PHI): 7 days. Minimum interval between applications: 14 days. Maximum MOVENTO® 240 SC Insecticide allowed per crop season: 1.83 L/ha (440 g ai/ha).
Mealybugs San Jose Scale	365 - 585 (88 - 140)	

STONE FRUIT

Crops of Crop Group 12 Including: Apricot, Cherry (sweet and tart), Nectarine, Peach, Plum (includes Chickasaw, Damson, and Japanese), Plumcot, Prune (fresh and dried).

Pests controlled	Rate mL/ha (g ai/ha)	Remarks
Aphids Whiteflies	365-435 (88-105)	Pre-Harvest Interval (PHI): 7 days. Minimum interval between applications: 14 days Maximum MOVENTO® 240 SC Insecticide allowed per crop season: 1.12 L/ha (270 g ai/ha).
Mealybugs San Jose Scale White peach scale	365 - 585 (88 - 140)	
Pest suppressed		
Lecanium scale	365 - 585 (88 - 140)	

TREE NUTS

Crops of Crop Group 14 plus Pistachio Including: Almond, Beechnut, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert (hazelnut), Hickory nut, Macadamia nut (bush nut), Pecan, Pistachio, Walnut [black and English (Persian)].

Pests controlled	Rate mL/ha (g ai/ha)	Remarks

Aphids Phylloxera Whiteflies	365-435 (88-105)	Pre-Harvest Interval (PHI): 7 days. Minimum interval between applications: 14 days Maximum MOVENTO® 240 SC Insecticide allowed per crop season: 1.58 L/ha (380 g ai/ha).
Mealybugs San Jose Scale White peach scale	365 - 585 (88 - 140)	
Pests suppressed		
Lecanium scale	365 - 585 (88 - 140)	

HOPS

Pests controlled	Rate mL/ha (g ai/ha)	Remarks
Hop aphid	365-435 (88-105)	Pre-Harvest Interval (PHI): 7 days. Minimum interval between applications: 14 days Maximum MOVENTO® 240 SC Insecticide allowed per crop season: 920 mL/ha (220 g ai/ha).

VEGETABLES

For all crops, apply specified dosage of MOVENTO® 240 SC Insecticide. For best results treatment should be made when insect populations begin to build and before a damaging population becomes established. Rate selected for use should depend on stage of pest development at application and infestation level of those pests. Apply in adequate water for uniform coverage; minimum 300 L/ha by ground. If needed, repeat application at a 7- to 10-day interval.

Do not exceed the maximum amount of Movento 240 SC Insecticide per season.

CUCURBIT VEGETABLES

Crops of Crop Group 9 Including: Chayote (fruit), Chinese waxgourd (Chinese preserving melon), Citron melon, Cucumber, Gherkin, Gourd (edible, includes hyotan, cucuzza, hechima, Chinese okra), *Momordica* spp. (includes balsam apple, balsam pear, bitter melon, Chinese cucumber), Muskmelon (hybrids and/or cultivars of *Cucumis melo* including true cantaloupe, cantaloupe, casaba, Crenshaw melon, golden pershaw melon, honeydew melon, honey balls,

mango melon, Persian melon, pineapple melon, Santa Claus melon, snake melon), Pumpkin, Squash (includes summer squash types such as: crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini, and winter squash types such as acorn squash, butternut squash, calabaza, Hubbard squash, spaghetti squash), Watermelon (includes hybrids and/or varieties of *Citrullus lanatus*).

Pests controlled	Rate mL/ha (g ai/ha)	Remarks
Aphids Whiteflies	220 – 365 (52 – 88)	Pre-Harvest Interval (PHI): 1 day. Minimum interval between applications: 7 days. Maximum MOVENTO® 240 SC Insecticide allowed per crop season: 730mL/ha (175 g ai/ha)

FRUITING VEGETABLES

Crops of Crop Group 8 Including: African Eggplant, Bush tomato, Cocona, Currant tomato, Eggplant (including cultivars and/or hybrids of this), Garden huckleberry, Groundcherry, Martynia, Naranjilla, Okra, Pea eggplant, Pepino, Peppers (including all peppers i.e. bell, non-bell, hot, sweet, etc., and cultivars and/or hybrids of these), Roselle, Scarlet eggplant, Sunberry, Tomatillo, Tomato (including cultivars and/or hybrids of this), Tree tomato.

Pests controlled	Rate mL/ha (g ai/ha)	Remarks
Aphids Psyllids Whiteflies	220 – 365 (52 – 88)	Pre-Harvest Interval (PHI): 1 day. Minimum interval between applications: 7 days. Maximum MOVENTO® 240 SC Insecticide allowed per crop season: 730 mL/ha (175 g ai/ha)

LEAFY VEGETABLES - NON-BRASSICA

Crops of Crop Group 4 Including: Amaranth (leafy amaranth, Chinese spinach, tampala), Arugula (Roquette), Cardoon, Celery, Celtuce, Chervil, Chinese celery, Chrysanthemum (edible-leaved and garland), Corn salad, Cress (garden), Cress (upland, yellow rocket, winter cress), Dandelion, Dock (sorrel), Endive (escarole), Florence fennel (sweet anise, sweet fennel, Finocchio), Lettuce (head and leaf), Orach, Parsley, Purslane (garden and winter), Radicchio (red chicory), Rhubarb, Spinach [including New Zealand and vine (Malabar spinach, Indian spinach)], Swiss chard.

Pests controlled	Rate mL/ha (g ai/ha)	Remarks
Aphids Whiteflies	220 – 365 (52 – 88)	Pre-Harvest Interval (PHI): 3 days. Minimum interval between applications: 7 days. Maximum MOVENTO® 240 SC Insecticide allowed per crop season: 730 mL/ha (175 g ai/ha)

LEAFY VEGETABLES - BRASSICA (COLE)

Crops of Crop Group 5 Including: Broccoli, Broccoli raab (*rapini*), Brussels sprouts, Cabbage, Cauliflower, Cavalo broccolo, Chinese broccoli (*gai lon*), Chinese cabbage (*bok choy*), Chinese cabbage (*napa*), Chinese mustard cabbage (*gai choy*), Collards, Kale, Kohlrabi, Mizuna, Mustard greens, Mustard spinach, Rape greens, Turnip greens.

Pests controlled	Rate mL/ha (g ai/ha)	Remarks
Aphids Whiteflies	220 – 365 (52 – 88)	Pre-Harvest Interval (PHI): 1 day. Minimum interval between applications: 7 days. Maximum MOVENTO® 240 SC Insecticide allowed per crop season: 730 mL/ha (175 g ai/ha)

TUBEROUS AND CORM VEGETABLES (INCLUDING POTATOES)

Crops of Crop Subgroup 1C Including: Arracacha, Arrowroot, Artichoke (Chinese and Jerusalem), Canna (edible), Cassava (bitter and sweet), Chayote (root), Chufa, Dasheen (taro), Ginger, Leren, Potato, Sweet potato, Tanier, Turmeric, Yam bean, Yam (true).

Pests controlled	Rate mL/ha (g ai/ha)	Remarks
Aphids Psyllids Whiteflies	220 - 365 (52 - 88)	Pre-Harvest Interval (PHI): 7 days. Minimum interval between applications: 7 days. Maximum MOVENTO® 240 SC Insecticide allowed per crop season: 730 mL/ha (175 g ai/ha.)

Section 9: APPLICATION INSTRUCTIONS and USE LIMITATIONS

DO NOT apply to table grapes.

MOVENTO 240 SC Insecticide must be tank-mixed with a spray adjuvant / additive having spreading and penetrating properties to maximize leaf uptake and systemicity of the active ingredient within treated plants. The adjuvant type must be one of the following: non-ionic (e.g., Agral 90 or Ag-surf), methylated seed oil (e.g., Hasten), or horticultural oil. Prior to the use of a surfactant with Movento 240 SC Insecticide in tree fruit and grapes, the mixture must be tested in a small area to ensure no risk of phytotoxicity. Use of any blended adjuvant is not permitted. Horticultural oil adjuvants may be used on pome fruit only. DO NOT use MOVENTO 240 SC Insecticide on pear trees when fruit is present due to the possibility of adverse effects on the harvested commodity. It is widely known that a tank-mix and/or sequential treatments that include adjuvants with Captan may cause adverse effects in tree fruit and grapes; including MOVENTO 240 SC Insecticide in this tank-mix and/or sequential treatment scenario is not recommended. DO NOT tank-mix MOVENTO 240 SC Insecticide with sulphur.

Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature, application equipment and sprayer settings.

DO NOT apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands), estuarine/ marine habitats.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

Field sprayer application: DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. DO NOT apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) fine classification. Boom height must be 60 cm or less above the crop or ground.

Airblast application: DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. DO NOT direct spray above plants to be treated. Turn off outward pointing nozzles at row ends and outer rows. DO NOT apply when wind speed is greater than 16 km/h at the application site as measured outside of the treatment area on the upwind side.

DO NOT apply by air.

BUFFER ZONES:

Use of the following spray methods or equipment DO NOT require a buffer zone: hand-held or backpack sprayer and spot treatment.

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands).

Method of application	Crop		Buffer Zones (meters) Required for the Protection of Terrestrial habitat
Field sprayer*	Field Crops		1
Airblast	Orchard Crops	Early growth stage	2
		Late growth stage	1

*For field sprayer application, buffer zones can be reduced with the use of drift reducing spray shields. When using a spray boom fitted with a full shield (shroud, curtain) that extends to the crop canopy, the labelled buffer zone can be reduced by 70%. When using a spray boom where individual nozzles are fitted with cone-shaped shields that are no more than 30 cm above the crop canopy, the labelled buffer zone can be reduced by 30%.

Section 10: ROTATIONAL CROPS

Plant back interval: A plant back restriction of 30 days is required for all crops not on the label.

Section 11: MIXING INSTRUCTIONS

MOVENTO[®] 240 SC Insecticide is subject to phase separation during storage. Vigorous shaking to re-suspend the product is required before using.

The proper mixing procedure for MOVENTO[®] 240 SC Insecticide is:

- 1) Fill the spray tank 1/2 full with clean water;
- 2) Add the required amount of MOVENTO[®] 240 SC Insecticide,
- 3) Fill spray tank to desired level and maintain constant agitation to ensure uniformity of spray mixture.

Section 12: PRE-HARVEST INTERVALS

Crop	Pre-harvest interval (days)
Grape and small fruit vine climbing	7
Pome fruit	7
Stone fruit	7
Tree nuts	7
Hops	7
Cucurbit vegetables	1
Fruiting vegetables	1
Leafy vegetables – non-brassica	3
Leafy vegetables - brassica	1
Tuberous and corm vegetables	7

Section 13: RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that MOVENTO[®] 240 SC Insecticide contains a Group 23 insecticide. Any insect population may contain individuals naturally resistant to MOVENTO[®] 240 SC Insecticide and other Group 23 insecticides. The resistant individuals may dominate the insect population if this group of insecticides is used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance:

- Where possible, rotate the use of MOVENTO[®] 240 SC Insecticide or other Group 23 insecticides with different groups that control the same pests in a field.
- Insecticide use should be based on an IPM program that includes scouting, record keeping, and considers cultural, biological and other chemical control practices.
- Before applying MOVENTO[®] 240 SC Insecticide, correctly identify the pest and ensure economic and agronomic thresholds are met as recommended by local provincial or IPM specialists.
- Monitor treated pest populations for resistance development.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.

For further information or to report suspected resistance contact Bayer CropScience via internet at www.bayercropscience.ca or phone 1-888-283-6847.

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This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.