

Product Name: Sinon Gowel 240 Herbicide
APVMA Approval No: 86090/114665



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| Label Name: | Sinon Gowel 240 Herbicide |
| Signal Headings: | CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING |
| Constituent Statements: | ACTIVE CONSTITUENT: 240 g/L OXYFLUORFEN SOLVENTS: 613 g/L LIQUID HYDROCARBONS 100 g/L N-METHYL PYRROLIDONE |
| Mode of Action: | GROUP G HERBICIDE |
| Statement of Claims: | For selective control of broadleaf weeds and some grasses as specified in the Directions for Use table. |
| Net Contents: | 1L to 1000L |
| Restrains: | |
| Directions for Use: | This section contains file attachment. |
| Other Limitations: | |
| Withholding Periods: | WITHHOLDING PERIODS: GRAZING: DO NOT GRAZE TREATED WEEDS. HARVEST: NOT REQUIRED WHEN USED AS DIRECTED. |

Trade Advice:

General Instructions:

WEEDS CONTROLLED BY SINON GOWEL 240 HERBICIDE INCLUDE THE FOLLOWING:

Amsinckia (Amsinckia spp.)
Barley Grass (Hordeum leporinum)
Barnyard Grass (Echinochloa spp.)
Blackberry Nightshade (Solanum nigrum)
Bladder Ketmia (Hibiscus trionum)
Burrgrass (Cenchrus australis)
Caltrop (Tribulus terrestris)
Capeweed (Arctotheca calendula)
Chickweed (Stellaria media)
Crowsfoot Grass (Eleusine indica)
Deadnettle (Lamium amplexicaule)
Fat Hen (Chenopodium album)
Giant Pigweed (Trianthema portulacastrum)
Liverseed Grass (Urochloa panicoides)
Lovegrass (Eragrostis spp.)
Pigeon Grass (Setaria spp.)
Pigweed (Portulaca oleracea)
Prickly Lettuce (Lactuca spp.)
Red Natal Grass (Rhynchelytrum repens)
Redshank (Amaranthus cruentus)
Ryegrass (Lolium spp.)
Sesbania Pea (Sesbania cannabina)
Shepherd's Purse (Capsella bursa-pastoris)
Smallflower Mallow (Malva parviflora)
Soursob (Oxalis pes-caprae)
Sowthistle (Sonchus oleraceus)
Starburr (Acanthospermum hispidum)
Stinkgrass (Eragrostis cilianensis)
Summer Grass (Digitaria spp.)
Thornapple (Datura stramonium)
White Eye (Richardia brasiliensis)
Wild Mustard (Sisymbrium spp.)
Wild Radish (Raphanus raphanistrum)
Wireweed (Polygonum aviculare)

SEEDLINGS (LESS THAN 4 TRUE LEAF) WEEDS CONTROLLED BY SINON GOWEL 240 HERBICIDE INCLUDE THE FOLLOWING:

Amsinckia (Amsinckia spp.)
Bellvine (Ipomoea spp.)
Capeweed (Arctotheca calendula)
Common Cotula (Cotula australis)
Crowsfoot Grass (Eleusine indica)
Deadnettle (Lamium amplexicaule)
Groundsel (Senecio vulgaris)
Liverseed Grass (Urochloa panicoides)
Smallflowered Mallow (Malva parviflora)
Pigweed (Portulaca oleracea)
Potato Weed (Galinsoga parviflora)
Redshank (Amaranthus cruentus)
Shepherd's Purse (Capsella bursa-pastoris)
Sowthistle (Sonchus oleraceus)
Stinging Nettle (Urtica urens)
Stinkgrass (Eragrostis cilianensis)
Wild Radish (Raphanus raphanistrum)

General Instructions

SINON GOWEL 240 Herbicide is a selective herbicide for the control of certain annual grasses and broadleaf weeds in dormant apples, grapes, peaches, pears, plums, apricots, almonds, macadamia, dubosia, tobacco, coffee, pyrethrum, winter cereals, tropical/sub-tropical crops, brassicas, onions, Eucalyptus and Pinus spp. and other forestry trees used in forestry applied either to a weed free soil or to seedling weeds at the 4 to 6 true leaf stage.

SINON GOWEL 240 applied to well-prepared weed free soil should not be disturbed or incorporated after application. Weed control for up to 6 months can be expected but spot treatment of escape weeds and perennial grasses with knockdown herbicides may be necessary.

When SINON GOWEL 240 is applied to seedling weeds at the 4 to 6 true leaf stage a non-ionic surfactant such as Activator* Surfactant or BS1000* should be added at recommended rates to improve activity.

SINON GOWEL 240 can also be utilised at low rates to improve the weed spectrum of knockdown herbicides.

Dubosia seedlings and mature plants will tolerate "over the top" applications. Eucalypt and pine transplants and established trees can tolerate "over the top" applications.

TIMING

For optimum residual weed control, SINON GOWEL 240 should be applied to the soil surface prior to weed emergence after all other agricultural operations, such as mechanical cultivation and re-shaping of irrigation furrows, have been completed.

The area should be left undisturbed during the time period for which weed control is desired. When applied to seedling weeds, they should be young and actively growing.

Weed control for up to 6 months is expected but spot treatment with knockdown herbicides for escape weeds and perennial grasses may be necessary.

MIXING

Shake well before use. When using SINON GOWEL 240 alone, fill the spray tank at least one-third full with clean water, add the recommended amount of SINON GOWEL 240 while the pump and agitator are running, then complete filling the spray tank.

A non-ionic surfactant, if required by label directions, should be added near the end of the filling process to minimise foaming.

When tank mixing with Surflan 500 or Devrinol, add to one-third filled tank, then add the SINON GOWEL 240 during the filling operation. Maintain agitation during mixing and until spraying is completed.

When tank mixing with glyphosate, paraquat or paraquat/diquat products, add these after SINON GOWEL 240 during the filling operation.

When using SINON GOWEL 240 in mixtures always refer to the appropriate label and read and follow all label directions.

APPLICATION

SINON GOWEL 240 should be applied as a ground spray directed at the base of crop plants. The spray mixture should be applied evenly with a carefully calibrated, standard low pressure herbicide sprayer with a flat fan or hollow cone nozzle. When seedling weeds are present ensure thorough coverage of their foliage is required to obtain the maximum knockdown effect. Ensure both the weed foliage and the soil surface are sprayed. When applying to bare soil use 250 to 500 L of water/ha. For application to seedling weeds (4 to 6 leaf stage) use 250 to 1,350 L/ha. Use higher volumes for high weed density.

CROP SAFETY

SINON GOWEL 240 may be applied as directed spray around dormant peach, plum, apricot, almond, apple and pear trees and grape vines of all ages when applied at rates of less than 1.0 L/ha.

When applied at 3.0 L/ha and above, the trees and grape vines should be at least 3 years of age.

DO NOT apply SINON GOWEL 240 once bud swell has occurred when using rates greater than 1.0 L/ha.

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| | <p>Duboisia seedlings and mature plants will tolerate “over-the-top” applications of SINON GOWEL 240. When using the 75 mL/ha rate, SINON GOWEL 240 may be applied as directed spray prior to sowing winter cereals.</p> <p>COMPATIBILITY SINON GOWEL 240 is compatible with a broad range of glyphosate, paraquat and paraquat/diquat products. As formulations of products used in tank mixtures may change, confirmation of compatibility before use is recommended.</p> |
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| Resistance Warning: | <p>Resistant Weed Warning GROUP G HERBICIDE SINON GOWEL 240 Herbicide is a member of the Diphenyl ether group of herbicides. The mode of action of SINON GOWEL 240 is to inhibit protoporphyrinogen oxidase. For weed resistance management SINON GOWEL 240 is a Group G Herbicide. Some naturally occurring weed biotypes resistant to SINON GOWEL 240 and other Group G herbicides may exist through normal genetic variability in any weed population. The resistant weeds can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by SINON GOWEL 240 or other Group G herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Sinon Australia Pty Limited accepts no liability for any losses that may result from the failure of SINON GOWEL 240 to control resistant weeds.</p> |
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| Precautions: | <p>RE-ENTRY PERIOD DO NOT allow entry into treated areas until the spray has dried. If prior entry is necessary, wear chemical resistant footwear.</p> |
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| Protections: | <p>PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures.</p> <p>PROTECTION OF LIVESTOCK Use with care when applying in areas frequented by stock.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT This product is highly toxic to wildlife and fish. DO NOT contaminate streams, rivers or waterways with the chemical or used containers. Use care when applying in areas frequented by wildlife or adjacent to any body of water. DO NOT apply when weather conditions favour drift from target areas.</p> |
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| Storage and Disposal: | <p>Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals onsite.</p> <p>This container can be recycled if it is clean, dry, free of visible residues and has the drumMUSTER logo visible. Triple rinse containers before disposal. Dispose of rinsate by adding it to the spray tank. DO NOT dispose of undiluted chemical on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any drumMUSTER collection point or similar container management program site. The cap should not be replaced but may be taken separately.</p> <p>If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.</p> |
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For REFILLABLE containers: Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

Safety Directions:

SAFETY DIRECTIONS

Will damage eyes. Will irritate the skin. Avoid contact with eyes and skin. When opening the container and preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length butyl rubber gloves and goggles. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves, goggles and contaminated clothing.

First Aid Instructions:

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26. If swallowed, DO NOT induce vomiting. Give a glass of water.

First Aid Warnings:

Directions for Use

| Crop/ Situation | Pest | Time Of Application | Rate (L/ha) | Critical Comments |
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| Treefruit, nuts and vines not less than 3 years old DORMANT APPLICATION Almonds, Apples, Apricots, Grape vines, Macadamias, Peaches, Pears, Pecans, Plums, Walnuts | Refer to Weeds Controlled list | Weed free soil | 3 or 4 L/ha | DO NOT apply SINON GOWEL 240 once bud swell has occurred. Apply to freshly cultivated weed free soil. Use the higher rate when longer residual control is required (up to 4 months). Where grass weeds are expected to be a major problem, or when control of a wider weed spectrum is required, mix the lower rate with 4.5 L Surflan 500 per treated hectare. Refer to individual product labels for crops, rates, States and weeds controlled. |
| | | Weeds at 4-6 true leaf stage | | DO NOT apply SINON GOWEL 240 once bud swell has occurred. Use the higher rate when longer residual control is required (up to 4 months). When young seedling grasses and/or broadleaf weeds are present, apply as a tank mix with a diquat 200 g/L, paraquat/diquat combination product (e.g. Combik 250 Herbicide) or a glyphosate herbicide to give both knockdown and residual control. Refer to individual product labels for rates. Addition of a non-ionic surfactant should be used in the spray mixture at label rates. Mature, established weeds must be eliminated prior to application by mechanical or chemical means prior to application. Macadamias: Apply in 250 to 500 L water/ha. Apply after harvest to prevent spray contacting nuts. Avoid spray contact with the macadamia tree foliage and stem. DO NOT apply to nuts on the ground. |
| Treefruit, nuts and vines not less than 3 years old DORMANT APPLICATION Almonds, Apples, Apricots, Grape vines, Macadamias, Peaches, Pears, Pecans, Plums, Walnuts | Most annual grasses and broadleaf weeds Refer to Weeds Controlled list and Combik 250 label | Emerged weeds present | 250 mL plus Combik 250 at recommended label rates OR 25 to 30 mL/ 100 L plus Combik 250 at recommended label rates | The addition of SINON GOWEL 240 to Combik 250 Herbicide will improve control of small flowered mallow, evening primrose and other weeds sensitive to SINON GOWEL 240. Apply as a tank mix with Combik 250 Herbicide, refer to the appropriate label and follow all label directions. |
| Almonds, Apples, Apricots, Grape vines, Macadamias, Peaches, Pears, Pecans, Plums, Walnuts | Annual Weeds Refer to Weeds Controlled list and glyphosate product label | Apply as a tank mix with glyphosate products to actively growing emerged weeds | 75 mL/ha plus a glyphosate herbicide at recommended label rates | Addition of SINON GOWEL 240 to glyphosate products will improve knockdown and increase the speed at which treated weeds develop visible symptoms of phytotoxicity (compared to results achieved with glyphosate products applied alone) and give control of Annual Nettles (<i>Urtica</i> spp.) and Marshmallow (<i>Malva parviflora</i>). For rates of application refer to the appropriate label. Read and follow all label directions. DO NOT apply the tank mix of glyphosate and SINON GOWEL 240 near trees or vines less than 3 years old unless they are effectively shielded from spray and spray drift. |

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| Pyrethrum – greater than 4 leaves | Blackberry Nightshade (<i>Solanum nigrum</i>), Fumitory (<i>Fumaria</i> spp.), Hogweed (<i>Polygonum aviculare</i>), Sorrel (<i>Rumex acetosella</i>), Volunteer Potato (<i>Solanum tuberosum</i>), Cleavers (<i>Galium aparine</i>), Field Bindweed (<i>Convolvulus arvensis</i>), Groundsel (<i>Senecio vulgaris</i>) | Emerged weeds present | 100 to 150 mL/ha | Apply when pyrethrum growth stage is greater than 4 true leaf. |
| Pyrethrum – established crops greater than 1 year old | As above plus Sow Thistle (<i>Sonchus</i> spp.), Spear Thistle (<i>Cirsium vulgare</i>) | | 200 mL to 4 L/ha | Apply when pyrethrum is greater than 100 mm rosettes. Apply rates of greater than 1.0 L/ha ONLY between 1ST of February and 31ST of March. DO NOT apply later than 25 weeks before harvest. |
| Duboisia | Refer to Weeds Controlled list | Weed free soil | 4 or 8 L/ha | Apply after transplanting of young seedlings or after harvest of mature plants. Use the higher dosage where longer residual control (up to 6 months) is required. “Over-the-top” application will be tolerated. |
| | | Weeds at the 4 to 6 true leaf stage | | Best results are achieved when applied to moist soil free of weeds. However, some recently germinated small seedling grasses and broadleaf weeds (4 to 6 true leaves) will be controlled with these rates. Established larger weeds must be eliminated by mechanical means. Add a non-ionic surfactant to enhance activity. |
| Tobacco | Refer to Weeds Controlled list | Weed free soil | 4 L/ha | Use to control weeds along spray lines only. DO NOT apply to tobacco crop. Apply to soil after solid-set irrigation system has been laid out in the field. SINON GOWEL 240 EC should be applied to a moist soil. Where very small weeds (2-3 leaf) emerge prior to spraying, the addition of a wetting agent to the spray mixture is necessary for effective control. Should the weeds be more advanced, the addition of Combik 250 herbicide is required. Avoid spray drift. |
| Coffee | Refer to Weeds Controlled list | Weed free soil | 2 to 4 L/ha | Apply after transplanting coffee plants or under established bushes. Use the higher rate where longer residual activity (up to 4 months) is required. Best results are achieved when applied to moist soil, free of weeds with follow-up irrigation. |
| | | Weeds at the 2 to 4 true leaf stage | | When seedlings are present, apply as a tank mix with a paraquat 250 g/L product to produce both knockdown and residual control. Addition of a non-ionic surfactant should be used in the spray mixture. Apply as a directed spray to avoid contact with coffee plants. Mature established weeds must be eliminated by mechanical or chemical means prior to application. |

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| Onions (seeded) | Blackberry Nightshade (<i>Solanum nigrum</i>) | Hook leaf stage | 50-100 mL/ha | DO NOT exceed 100 mL/ha at the hook leaf stage as excessive crop damage may occur. |
| | Common Cotula (<i>Cotula australis</i>), Crowsfoot /Storksbill (<i>Erodium</i> spp.), Deadnettle (<i>Lamium amplexicaule</i>), Docks (<i>Rumex</i> spp.), Fumitory (Pink and White Flowered) (<i>Fumaria</i> spp.), Groundsel (<i>Senecio vulgaris</i>), Hogweed/Wireweed (<i>Polygonum aviculare</i>), Milk Thistle (<i>Sonchus oleraceus</i>), Plantain (<i>Plantago</i> spp.), Sorrel (<i>Rumex acetosella</i>), Potato Weed (<i>Galinsoga parviflora</i>), Volunteer Potato (<i>Solanum tuberosum</i>) | 1½ to 2½ true leaf stage | 350-500 mL/ha | Best results are obtained when the hook leaf stage treatment is followed by a further application of SINON GOWEL 240 EC when onions are at the 1½ to 2½ true leaf stage. Apply SINON GOWEL 240 in at least 100 L/ha water at pressures below 150 kPa. DO NOT exceed 150 kPa pressure because excessive crop damage could result. Multiple treatments may be applied provided the total dose does not exceed 2 L/ha in one season. For control of other weeds, use in a program with other registered herbicides. NOTE: Can cause flecking, twisting or stunting of onion plants although such symptoms are normally short-lived. DO NOT apply in conditions of very high humidity. DO NOT apply to weeds or crops which are stressed by prevailing weather conditions, disease or mechanical damage. DO NOT use wetting agents or other adjuvants. |
| Tropical and Subtropical Fruit (inedible peel) Avocado, Custard Apple, Kiwi Fruit, Longan, Lychees, Mango, Passionfruit, Pawpaw, Rambutan | Refer to Weeds Controlled list | Weed free soil | 4 L/ha | Best results are obtained when applied to moist soil free of weeds. |
| | | Emerged weeds present | | If weeds are present SINON GOWEL 240 should be applied as a tank mix with recommended rates of a glyphosate, paraquat or paraquat/diquat product. |
| Brassica crops Broccoli, Cabbages, Cauliflower | Refer to Weeds Controlled list | Weed free soil | 1.5 to 2 L/ha | Apply SINON GOWEL 240 to prepared ground 4 to 7 days prior to transplanting. If soil is dry, irrigation or rainfall is required prior to transplanting for activation of SINON GOWEL 240. Utilise transplanting techniques which cause minimal soil disturbance. Excessive soil disturbance will lessen herbicide activity. Use the higher rate in situations where weed pressure is known to be heavy. |
| Forestry <i>Eucalyptus</i> spp. <i>Pinus</i> spp. | Refer to Weeds Controlled list | Weed free soil | 3 or 4 L/ha | Apply to weed free soil either before or preferably soon after transplanting. Disturbance of the herbicidal barrier on the soil surface by the transplanting process may reduce the length of weed control. Use higher rate for longer residual control. Apply as a directed or over-the-top spray. SINON GOWEL 240 may be tank mixed with Sinon Simazine 900 WG to extend the spectrum and length of weed control. Application to foliage that is soft and has not hardened off and/or if temperatures exceed 20°C may increase the likelihood of foliar damage to trees, Eucalypts especially. SINON GOWEL 240 has been found to be safe to commonly planted species used in forestry. Sensitivity of less common species should be checked prior to large scale application. |
| | Refer to Weeds Controlled list | Weeds at the 4 to 6 true leaf stage | 3 or 4 L/ha | Apply as an over-the-top spray to Eucalypts and pines. Best results are achieved when applied to moist soil free of weeds. However, some newly germinated small seedling grasses and broadleaf weeds (4 to 6 true leaves) will be controlled at these rates. Addition of a non-ionic surfactant at recommended rates will improve |

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| | | | | activity. Established weeds must be eliminated prior to application. SINON GOWEL 240 may be tank mixed with Sinon Simazine 900 WG to extend the spectrum and length of weed control. Application to foliage that is soft or has not hardened off and/or if temperatures exceed 20°C may increase the likelihood of foliar damage to trees, Eucalypts especially. SINON GOWEL 240 has been found to be safe to commonly planted species used in forestry. Sensitivity of less common species should be checked prior to large scale application. |
| Forestry Trees | Broadleaf weeds and grasses | Weeds at the 4 to 6 true leaf stage | 4 L/ha or 4 mL/10 m ² | For the establishment of trees for approved farm practices such as wind breaks, erosion control, woodlots and forestry plantings. When applying as a post-plant spray, ensure spray is directed to the base of seedlings, or that seedlings are protected. DO NOT apply under hot or windy conditions. |
| Prior to Sowing Winter cereals, Cotton | Refer to glyphosate product label | Apply as a tank mix with glyphosate products to actively growing emerged weeds | 75 mL/ha plus glyphosate product at recommended label rates | Addition of SINON GOWEL 240 to glyphosate products will improve knockdown and increase the speed at which treated weeds develop visible symptoms of phytotoxicity (compared to results achieved with glyphosate applied alone) and give control of Annual Nettles (<i>Urtica</i> spp.) and Marshmallow (<i>Malva parviflora</i>). For rates refer to the appropriate label. Read and follow all label directions. |

WHEN USING SINON GOWEL 240 WITH OTHER HERBICIDES, REFER TO THE APPROPRIATE LABEL AND READ AND FOLLOW ALL LABEL DIRECTIONS.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION