

05.02.08
61866_41738_5A_LABEL_MPL_V01
290 mm wide
180 mm high
100% A3

CAUTION
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

GOVERN®

HERBICIDE

ACTIVE CONSTITUENT: 240 g/L OXYFLUORFEN
SOLVENTS: 108 g/L N-METHYL PYRROLIDONE 606 g/L LIQUID HYDROCARBON

GROUP G HERBICIDE

For selective weed control of broadleaf weeds and some grasses as specified in the Directions for Use table.

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE.

CONTENTS: 5L



SIPCAM PACIFIC AUSTRALIA PTY LIMITED
Suite 11, 23-31 Gheringhap Street, Geelong VIC 3220

**APVMA APPROVAL NO:
61866/5A/1207**

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycle or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

SAFETY DIRECTIONS

Will damage the skin. Will irritate the eyes. 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

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia: 13 11 26).

MATERIAL SAFETY DATA SHEET

If additional hazard information is required refer to the Material Safety Data Sheet. For a copy visit our website at www.sipcam.com.au.

MANUFACTURER'S WARRANTY AND EXCLUSION OF LIABILITY

Sipcam Pacific Australia Pty Limited (Sipcam) shall not be liable for any loss, injury, damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence, use under abnormal conditions or otherwise in connection with the sale, supply, use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on Sipcam's skill or judgment in purchasing or using the product and every person dealing with this product does so at their own risk.

APVMA Approval No: 61866/5A/1207

Batch No:

Date of Manufacture:



© Registered trademark of Sipcam Pacific Australia Pty Ltd.



NOT a Dangerous Good for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

For specialist advice in an emergency only, call **1800 033 111**,
all hours Australia wide

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HERBICIDE

ACTIVE CONSTITUENT: 240 g/L OXYFLUORFEN
SOLVENTS: 100 g/L N-METHYL PYRROLIDONE 605 g/L LIQUID HYDROCARBON

GROUP G HERBICIDE

For selective weed control of broadleaf weeds and some grasses as specified in the Directions for Use table.

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE.

CONTENTS: 5L



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STORAGE AND DISPOSAL

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Will damage the skin. Will irritate the eyes. 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.

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SOLVENTS: 108 g/L N-METHYL-PYRROLIDONE
606 g/L LIQUID HYDROCARBON

GROUP **G** HERBICIDE



SIPCAM PACIFIC AUSTRALIA PTY LTD
Suite 11, 23-31 Ghiesbreght Street,
Geelong VIC 3220

© Registered Trademark of
Sipcam Pacific Australia Pty Ltd

For selective weed control of broadleaf weeds and some
grasses as specified in the Directions for Use table.

THIS LEAFLET IS PART OF THE LABEL

APVMA APPROVAL NO:
61866/A/0307

DIRECTIONS FOR USE

Govern Herbicide can be used on weed free soil to prevent germination of a wide variety of weeds or it can be applied to existing weeds at seedling stage especially with a tank mix partner to increase the variety of weeds controlled and/or the length of residual control. Govern Herbicide can also be added at a low rate as a "spike" to glyphosate or paraquat and diquat/paraquat herbicides to improve knockdown.

1. Govern Herbicide applied as a "spike" with glyphosate OR with either paraquat or a diquat/paraquat mixture.

RESTRAINT: DO NOT disturb weeds by cultivation or sowing for 1 day following application to annual weeds and for 7 days for perennial weeds to ensure herbicide absorption, unless specified in the critical comments.

SITUATION	FOR WEEDS CONTROLLED & TIME OF APPLICATION	RATE	CRITICAL COMMENTS
Summer and Winter fallow – before sowing	Refer to Sipcam Glyphosate 450 or Sipcam Glyphosate 360 label	75 mL/ha plus SIPCAM GLYPHOSATE 450 or SIPCAM GLYPHOSATE 360 at recommended label rates	Addition of Govern Herbicide to Sipcam Glyphosate 450 or Sipcam Glyphosate 360 will improve knockdown and increase the speed at which treated weeds develop visible symptoms of phytotoxicity (compared to results achieved with Sipcam Glyphosate 450 or Sipcam Glyphosate 360 applied alone), and give control of annual nettles, <i>Urtica</i> spp., barley grass, Paterson's Curse, small flowered mallow and storksbill. For rates of glyphosate, refer to the appropriate label. Read and follow all label directions. See SAFE SOWING INTERVALS section of this label.
Trees (fruit and Nut) and Vines at least 3 years old as a dormant application Grape Vines, Olive trees, Pome fruit (eg apples and pear, nashi, quince) Stone fruit (eg peaches, plums, Apricots) Tree nuts (eg almond, macadamia, pecan, walnut)	Refer to Sipcam Glyphosate 360 label Refer to label of paraquat or diquat/paraquat products (eg Inferno Herbicide)	75 mL/ha plus Sipcam Glyphosate 360 at recommended label rates. 250mL/ha plus paraquat or diquat/paraquat product at its recommended label rates	Addition of Govern Herbicide to Sipcam Glyphosate 450 or Sipcam Glyphosate 360 will improve knockdown and increase the speed at which treated weeds develop visible symptoms of phytotoxicity (compared to results achieved with Sipcam Glyphosate 450 or Sipcam Glyphosate 360 applied alone), and give control of annual nettles, <i>Urtica</i> spp., barley grass, Paterson's Curse, small flowered mallow and storksbill. For rates of glyphosate, refer to the appropriate label. Read and follow all label directions. DO NOT apply the tank mix of glyphosate and Govern near trees or vines less than 3 years old unless they are effectively shielded from spray and spray drift. Addition of Govern Herbicide in a tank mix with will improve control of small flowered mallow, evening primrose and other weeds sensitive to Govern Herbicide. For the rates of paraquat or paraquat/diquat product, refer to the appropriate label. Read and follow all label directions.

2. Govern Herbicide applied to weed free soil or weeds at seedling stage

RESTRAINT: DO NOT disturb weeds by cultivation or sowing for 1 day following application to annual weeds and for 7 days for perennial weeds to ensure herbicide absorption, unless specified in the critical comments.

CROP OR SITUATION	WEEDS CONTROLLED	WEED OR CROP STAGE	RATE	CRITICAL COMMENTS
Brassica Crops; Cabbages Cauliflower Broccoli	Refer to Weeds Controlled list	Weed free soil (prior to crop transplanting)	1.5 to 2 L/ha	Apply Govern Herbicide 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 Govern Herbicide. Utilise transplanting techniques which cause minimal soil disturbance. Excessive soil disturbance will lessen herbicidal activity. Use the higher rate in situations where weed pressure is known to be heavy.
Coffee (after transplanting or under established bushes)	Refer to Weeds Controlled list	Weed free soil Weeds at the 2 to 4 true leaf stage	2 to 4 L/ha	Use the higher rate where longer residual activity (up to 4 months) is required. When seedlings are present, apply as a tank mix with Inferno Herbicide to produce both knockdown and residual control. A non-ionic surfactant should be used in the spray mixture at its recommended rate. 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.
Duboisia (after transplanting of young seedlings or after harvest of mature plants)	Refer to Weeds Controlled list (best results are achieved when applied to moist soil free of weeds)	Weed free soil Weeds at the 4 to 6 true-leaf stage	4 or 8 L/ha	Use the higher dosage where longer residual control (up to 6 months) is required. An "over-the-top" application will be tolerated. 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 prior to application of Govern Herbicide. Add a non-ionic surfactant at its recommended rate to enhance activity.

Forestry plantations: <i>Eucalyptus</i> spp. And <i>Pinus</i> spp. (either before or preferably within 4 weeks of transplanting)	Refer to weeds controlled list	Weed free soil (either before or preferably within 4 weeks of transplanting) Weeds at the 4 to 6 true leaf stage	3 or 4L/ha	Under weed-free conditions, apply as a directed "over-the-top" spray. Disturbance of the herbicidal barrier on the soil surface may reduce the length of weed control. If weed seedlings are present, apply as an "over-the-top" spray. In either situation use the higher rate for longer residual control. Govern Herbicide can be applied in a tank mix with simazine to extend the spectrum and length of weed control. DO NOT use this tank mix in <i>Eucalyptus</i> plantations grown on sands with no clay of organic matter. The likelihood of foliar damage to trees (especially <i>Eucalyptus</i>) will increase if applied to foliage that has not hardened off and/or if the temperature exceeds 20°C. However Govern Herbicide is generally regarded as safe to commonly planted forestry species but the sensitivity of less common species should be tested on small areas before large scale application is made.
Forestry Trees	Broadleaf weeds and grasses	Weeds at 4-6 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.
Onions (seeded)	Blackberry nightshade, Common Cotula, Crowsfoot, Storksbill, Dead nettle, Docks, Fumitory, Groundsel, Milk Thistle, Plantain, Potato Weed, Sorrel, Volunteer Potato, Wireweed	Onion Hook leaf stage Onion 1½ to 2½ true leaf stage	50 – 100 mL/ha 350 – 500 mL/ha	Do not exceed 100 mL/ha at the hook leaf stage as excessive crop damage may occur. Best results are obtained when the hook leaf stage treatment is followed by a further application of Govern Herbicide when onions are at the 1½ to 2½ true leaf stage. Apply Govern Herbicide 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.
Pyrethrum – as bare rooted transplants or seedlings	Refer to Weeds Controlled list (except chickweed)	Pre-plant incorporated into weed free soil worked to a fine tillth	4 or 6 L/ha	Apply prior to final soil preparation. The preferred implements for final soil preparation would be either a multiple tyne cultivator or rotary harrows. Use the 6 L rate for heavy black clay soils only (as found in the Derwent and Coal River Valleys). Govern Herbicide will not provide consistent control of chickweed.
Pyrethrum – more than 4 leaf stage	Blackberry nightshade, Cleavers, Field bindweed, Fumitory, Groundsel, Milk Thistle, Sorrel, Volunteer Potato, Wireweed	Emerged weeds present	100-150mL	
Pyrethrum – established crops, > 1 yr old	Above plus Sow thistle, Spear Thistle		200mL to 4L/ha	Apply when pyrethrum is > 10cm rosettes. Apply rates of more than 1L/ha ONLY between 1st of February and 31st March. DO NOT apply later than 25 weeks before harvest.
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. Govern Herbicide 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 2 L Diquat 200 (Inferno) is required. Avoid spray drift.
Trees (fruit and Nut) and Vines at least 3 years old as a dormant application Grape Vines, Olive trees, Pome fruit (eg apples and pear, nashi, quince) Stone fruit (eg peaches, plums, Apricots) Tree nuts (eg almond, macadamia, pecan, walnut)	Refer to Weeds Controlled list	Weed free soil Emerged weeds present (4-6 leaf stage)	3 or 4L/ha	DO NOT apply Govern Herbicide 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 4.5L of an oxyzalin (500g/L) product or 4.5kg of a napropamide (500g/kg) per treated hectare. Refer to product labels for crops, rates, states and weeds controlled and follow all label directions. DO NOT apply Govern Herbicide 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 Sipcam Glyphosate 360 or diquat/paraquat to obtain both knockdown and residual control. A non-ionic surfactant such as BS 1000 should be used at 0.1% v/v. Read and follow all label directions. Where weed growth is large and dense, weeds must be eliminated prior to application of Govern Herbicide, using Sipcam Glyphosate 360 or mechanical means. Macadamias: Apply in 250 to 500L water/ha. Apply after harvest to prevent spray contacting nuts. Avoid spray contact with the foliage and stem. DO NOT apply to nuts on the ground.

5.2.08
 61866_41738_breakout_Front B_MPL_V08
 250mm Wide
 425mm High
 75% A3

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 SOLVENTS: 100 g/L N-METHYL-PYRROLIDONE
 605 g/L LIQUID HYDROCARBON

GROUP **G** HERBICIDE



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THIS LEAFLET IS PART OF THE LABEL

APVMA APPROVAL NO:
 61866/B/0307

DIRECTIONS FOR USE

Govern Herbicide can be used on weed free soil to prevent germination of a wide variety of weeds or it can be applied to existing weeds at seedling stage especially with a tank mix partner to increase the variety of weeds controlled and/or the length of residual control. Govern Herbicide can also be added at a low rate as a "spike" to glyphosate or paraquat and diquat/paraquat herbicides to improve knockdown.

1. Govern Herbicide applied as a "spike" with glyphosate OR with either paraquat or a diquat/paraquat mixture.

RESTRAINT: DO NOT disturb weeds by cultivation or sowing for 1 day following application to annual weeds and for 7 days for perennial weeds to ensure herbicide absorption, unless specified in the critical comments.

SITUATION	FOR WEEDS CONTROLLED & TIME OF APPLICATION	RATE	CRITICAL COMMENTS
Summer and Winter fallow – before sowing	Refer to Sipcaml Glyphosate 450 or Sipcaml Glyphosate 360 label	75 mL/ha plus SIPCAM GLYPHOSATE 450 or SIPCAM GLYPHOSATE 360 at recommended label rates	Addition of Govern Herbicide to Sipcaml Glyphosate 450 or Sipcaml Glyphosate 360 will improve knockdown and increase the speed at which treated weeds develop visible symptoms of phytotoxicity (compared to results achieved with Sipcaml Glyphosate 450 or Sipcaml Glyphosate 360 applied alone), and give control of annual nettles, <i>Urtica</i> spp., barley grass, Paterson's Curse, small flowered mallow and storksbill. For rates of glyphosate, refer to the appropriate label. Read and follow all label directions. See SAFE SOWING INTERVALS section of this label.
Trees (fruit and Nut) and Vines at least 3 years old as a dormant application Grape Vines, Olive trees, Pome fruit (eg apples and pear, nashi, quince) Stone fruit (eg peaches, plums, Apricots) Tree nuts (eg almond, macadamia, pecan, walnut)	Refer to Sipcaml Glyphosate 360 label	75 mL/ha plus Sipcaml Glyphosate 360 at recommended label rates.	Addition of Govern Herbicide to Sipcaml Glyphosate 450 or Sipcaml Glyphosate 360 will improve knockdown and increase the speed at which treated weeds develop visible symptoms of phytotoxicity (compared to results achieved with Sipcaml Glyphosate 450 or Sipcaml Glyphosate 360 applied alone), and give control of annual nettles, <i>Urtica</i> spp., barley grass, Paterson's Curse, small flowered mallow and storksbill. For rates of glyphosate, refer to the appropriate label. Read and follow all label directions. DO NOT apply the tank mix of glyphosate and Govern near trees or vines less than 3 years old unless they are effectively shielded from spray and spray drift.
	Refer to label of paraquat or diquat/paraquat products (eg Inferno Herbicide)	250mL/ha plus paraquat or diquat/paraquat product at its recommended label rates	Addition of Govern Herbicide in a tank mix with will improve control of small flowered mallow, evening primrose and other weeds sensitive to Govern Herbicide. For the rates of paraquat or paraquat/diquat product, refer to the appropriate label. Read and follow all label directions.

2. Govern Herbicide applied to weed free soil or weeds at seedling stage

RESTRAINT: DO NOT disturb weeds by cultivation or sowing for 1 day following application to annual weeds and for 7 days for perennial weeds to ensure herbicide absorption, unless specified in the critical comments.

CROP OR SITUATION	WEEDS CONTROLLED	WEED OR CROP STAGE	RATE	CRITICAL COMMENTS
Brassica Crops; Cabbages Cauliflower Broccoli	Refer to Weeds Controlled list	Weed free soil (prior to crop transplanting)	1.5 to 2 L/ha	Apply Govern Herbicide 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 Govern Herbicide. Utilise transplanting techniques which cause minimal soil disturbance. Excessive soil disturbance will lessen herbicidal activity. Use the higher rate in situations where weed pressure is known to be heavy.
Coffee (after transplanting or under established bushes)	Refer to Weeds Controlled list	Weed free soil Weeds at the 2 to 4 true leaf stage	2 to 4 L/ha	Use the higher rate where longer residual activity (up to 4 months) is required. When seedlings are present, apply as a tank mix with Inferno Herbicide to produce both knockdown and residual control. A non-ionic surfactant should be used in the spray mixture at its recommended rate. 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.
Duboisia (after transplanting of young seedlings or after harvest of mature plants)	Refer to Weeds Controlled list (best results are achieved when applied to moist soil free of weeds)	Weed free soil Weeds at the 4 to 6 true-leaf stage	4 or 8 L/ha	Use the higher dosage where longer residual control (up to 6 months) is required. An "over-the-top" application will be tolerated. 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 prior to application of Govern Herbicide. Add a non-ionic surfactant at its recommended rate to enhance activity.

Forestry plantations: <i>Eucalyptus</i> spp. And <i>Pinus</i> spp. (either before or preferably within 4 weeks of transplanting)	Refer to weeds controlled list	Weed free soil (either before or preferably within 4 weeks of transplanting) Weeds at the 4 to 6 true leaf stage	3 or 4L/ha	Under weed-free conditions, apply as a directed "over-the-top" spray. Disturbance of the herbicidal barrier on the soil surface may reduce the length of weed control. If weed seedlings are present, apply as an "over-the-top" spray. In either situation use the higher rate for longer residual control. Govern Herbicide can be applied in a tank mix with simazine to extend the spectrum and length of weed control. DO NOT use this tank mix in <i>Eucalyptus</i> plantations grown on sands with no clay of organic matter. The likelihood of foliar damage to trees (especially <i>Eucalyptus</i>) will increase if applied to foliage that has not hardened off and/or if the temperature exceeds 20°C. However Govern Herbicide is generally regarded as safe to commonly planted forestry species but the sensitivity of less common species should be tested on small areas before large scale application is made.
Forestry Trees	Broadleaf weeds and grasses	Weeds at 4-6 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.
Onions (seeded)	Blackberry nightshade, Common Cotula, Crowsfoot, Storksbill, Dead nettle, Docks, Furnitory, Groundsel, Milk Thistle, Pllantain, Potato Weed, Sorrel, Volunteer Potato, Wireweed	Onion Hook leaf stage Onion 1½ to 2½ true leaf stage	50 – 100 mL/ha 350 – 500 mL/ha	Do not exceed 100 mL/ha at the hook leaf stage as excessive crop damage may occur. Best results are obtained when the hook leaf stage treatment is followed by a further application of Govern Herbicide when onions are at the 1½ to 2½ true leaf stage. Apply Govern Herbicide 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 of mechanical damage. DO NOT use wetting agents or other adjuvants.
Pyrethrum – as bare rooted transplants or seedlings	Refer to Weeds Controlled list (except chickweed)	Pre-plant incorporated into weed free soil worked to a fine tillth	4 or 6 L/ha	Apply prior to final soil preparation. The preferred implements for final soil preparation would be either a multiple tyne cultivator or rotary harrows. Use the 6 L rate for heavy black clay soils only (as found in the Derwent and Coal River Valleys). Govern Herbicide will not provide consistent control of chickweed.
Pyrethrum – more than 4 leaf stage	Blackberry nightshade, Cleavers, Field bindweed, Furnitory, Groundsel, Milk Thistle, Sorrel, Volunteer Potato, Wireweed	Emerged weeds present	100-150mL	
Pyrethrum – established crops, > 1 yr old	Above plus Sow thistle, Spear Thistle		200mL to 4L/ha	Apply when pyrethrum is > 10cm rosettes. Apply rates of more than 1L/ha ONLY between 1st of February and 31st March. DO NOT apply later than 25 weeks before harvest.
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. Govern Herbicide 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 2 L Diquat 200 (Inferno) is required. Avoid spray drift.
Trees (fruit and Nut) and Vines at least 3 years old as a dormant application Grape Vines, Olive trees, Pome fruit (eg apples and pear, nashi, quince) Stone fruit (eg peaches, plums, Apricots) Tree nuts (eg almond, macadamia, pecan, walnut)	Refer to Weeds Controlled list	Weed free soil Emerged weeds present (4-6 leaf stage)	3 or 4L/ha	DO NOT apply Govern Herbicide 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 4.5L of an oryzalin (500g/L) product or 4.5kg of a napropamide (500g/kg) per treated hectare. Refer to product labels for crops, rates, states and weeds controlled and follow all label directions. DO NOT apply Govern Herbicide 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 Sipcaml Glyphosate 360 or diquat/paraquat to obtain both knockdown and residual control. A non-ionic surfactant such as BS 1000 should be used at 0.1% v/v. Read and follow all label directions. Where weed growth is large and dense, weeds must be eliminated prior to application of Govern Herbicide, using Sipcaml Glyphosate 360 or mechanical means. Macadamias: Apply in 250 to 500L water/ha. Apply after harvest to prevent spray contacting nuts. Avoid spray contact with the foliage and stem. DO NOT apply to nuts on the ground.

5.2.08
61866_41738_breakout_Back_MPL_V08
250mm Wide
425mm High
75% A3

CROP OR SITUATION	WEEDS CONTROLLED	WEED OR CROP STAGE	RATE	CRITICAL COMMENTS
Tropical and Subtropical Fruit crops (inedible peel), including: Avocado, Cherimoya, Custard apple, Durian, Feijoa, Guava, Jackfruit, Kiwifruit, Longan, Lychee, Mango, Mangosteen, Papaya, Passion fruit, Persimmon, Rambutan, Star Apple	Refer to Weeds Controlled list	Weed free soil	4 L/ha	Best results are obtained when applied to moist soil free of weeds.
		Emerging weeds present		If weeds are present, Govern Herbicide should be applied as a tank mix with recommended rates of Sipcarn Glyphosate 360, Inferno Herbicide or paraquat/diquat. Read and follow all label directions.

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

WITHHOLDING PERIODS:

GRAZING HARVEST

DO NOT ALLOW LIVESTOCK TO GRAZE TREATED WEEDS. NOT REQUIRED WHEN USED AS DIRECTED.

Weeds Controlled by Govern Herbicide include the following:

BEFORE GERMINATION

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*
Crowfoot 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*
Soursoy *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)

Amsinckia *Amsinckia* spp.
Barley grass *Hordeum glauca*, *H. leporinum**
Bellvine *Ipomoea* spp.
Capeweed *Arctotheca calendula*
Common cotula *Cotula australis*
Crowfoot grass *Eleusine indica*
Deadnettle *Lamium amplexicaule*
Groundsel *Senecio vulgaris*
Liverseed grass *Urochloa panicoides*
Paterson's Curse *Echium plantagineum**
Pigweed *Portulaca oleracea*
Potato weed *Galinogosa parviflora*
Redshank *Amaranthus cruentus*
Shepherd's purse *Capsella bursa-pastoris*
Sowthistle *Sonchus oleraceus*
Small flowered mallow *Malva parviflora**
Stinging nettle *Urtica urens*
Stinkgrass *Eragrostis cilianensis*
Storksbill *Erodium* spp.*
Wild radish *Raphanus raphanistrum*

* when mixed with a glyphosate product at its recommended rate

GENERAL INSTRUCTIONS

Govern 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, duboisia, 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 weed free soil or to seedling weeds at the 4 to 6 true leaf stage. Govern Herbicide 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 or perennial grasses may be necessary with knockdown herbicides, where suggested in the Critical Comments. Govern Herbicide can also be used at low rates as a "spike" to improve the weed spectrum of knockdown herbicides such as glyphosate and paraquat or paraquat/diquat mixtures.

RESISTANT WEEDS WARNING

GROUP G HERBICIDE

Govern Herbicide is a member of the Diphenyl ether group of herbicides. The mode of action of Govern Herbicide is to inhibit protoporphyrinogen oxidase. For weed resistance management, Govern Herbicide is a Group G herbicide. Some naturally-occurring weed biotypes resistant to Govern Herbicide and other Group G herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These weeds will not be controlled by Govern Herbicide or other Group G herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Sipcarn Pacific Australia Pty Ltd accepts no liability for any losses that may result from the failure of Govern Herbicide to control resistant weeds.

TIMING

Residual Control

For optimum residual weed control, Govern Herbicide 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 of desired weed control. When applied to seedling weeds, they should be young and actively growing.

Weed control for up to 6 months is expected with high label rates, but spot treatment, of escape or perennial grasses may be necessary with knockdown herbicides.

Post Emergent weed control

For optimum weed control, Govern Herbicide + glyphosate tank mixes should be applied to small seedling weeds up to 4-6 true leaf stage. Use of a non-ionic surfactant such as BS 1000 is recommended to improve activity. Weeds should be actively growing and free from environmental stress (drought, cold, insect attack, nutrient deficiency). Cultivation after treatment and prior to or at planting is beneficial for final fallow weed control.

MIXING

Shake well before use. When using Govern Herbicide alone, fill the spray tank at least one-third full with clean water, add the recommended amount of Govern Herbicide 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 minimize foaming.

When tank mixing with Oryzalin 500g/L or napropamide, add the product to a one-third filled tank and then add the Govern Herbicide during the filling operation. Maintain agitation during mixing and until spraying is completed. When tank mixing with Sipcarn Glyphosate 450 or Sipcarn Glyphosate 360, paraquat, diquat or paraquat/diquat, add these after Govern Herbicide during the filling operation.

Govern Herbicide + Glyphosate tank mixes

Ensure thorough agitation when mixing, filling the spray tank and during application, irrespective of glyphosate formulation used. Follow recommended order and directions of tank mixing for Govern and glyphosate. Use all spray mix immediately after preparation.

DO NOT tank mix Govern Herbicide and glyphosate without agitation.

DO NOT allow to stand unagitated.

DO NOT store Govern Herbicide and glyphosate tank mixes.

DO NOT mix with other agrochemical products with Govern and Roundup PowerMax tank mixtures.

APPLICATION

Spray equipment should be calibrated carefully before use.

Govern Herbicide should be applied uniformly with an accurately calibrated low pressure herbicide sprayer, as a directed treatment to the base of tree and vine crops using flat fan or hollow cone nozzles. Complete coverage of seedling weeds is required for maximum knockdown effect. Ensure both weed foliage and the soil surface are sprayed.

Apply using a vehicle mounted boom, calibrate to deliver droplet spectrum classification defined as medium by the American Society of Agricultural Engineers (ASAE) Standard S572, using water volume of 250 to 500 litres per hectare for bare soil or 100 to 1350 litres per hectare when seedling weeds (4 to 6 leaf) are present. Use the higher volumes where weed density is high.

Tank mixtures of 75 mL/ha of Govern Herbicide with Sipcarn Glyphosate 450 or Sipcarn Glyphosate 360 herbicides, should be applied in 30 to 200 litres spray volume per hectare. For maximum residual control, Govern Herbicide should NOT be incorporated or disturbed after application.

CROP SAFETY

Govern Herbicide may be applied as directed 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 Govern Herbicide once bud swell has occurred when using rates greater than 1.0 L/ha.

Duboisia seedlings and mature plants will tolerate "over-the-top" applications of Govern Herbicide.

SAFE SOWING INTERVALS

Govern Herbicide at up to 75mL/ha may be safely applied 1 day prior to planting broadacre crops such as cereals (wheat, oats, barley, triticale), canola, pulses (lupins, faba beans, field peas) and undersown pastures (Lucerne, clover, medics, ryegrass, phalaris, cocksfoot) and 7 days minimum prior to planting cotton or soybeans, provided minimum tillage planting equipment is used with minimal soil disturbance. Inversion, mixing of surface soil with that in the planting zone or covering seed with treated soil may result in injury to emerging crop seedlings.

Avoid covering the seed with soil treated with Govern Herbicide during the planting operation to minimise crop injury.

Govern Herbicide has residual soil activity, especially when applied at rates greater than 75mL/ha and on small-seeded horticultural crops. Plantback intervals in the following table for horticultural crops must be observed if more than 75mL/ha Govern Herbicide has been applied.

Safe Sowing Intervals for Horticultural Crops (Days)

Govern Herbicide rate	Up to 75mL/ha	1 L/ha
Beans	7	60
Brassicas	14	90
Capsicums	14	90
Carrots	14	90
Cucurbits	14	60
Lettuce	14	90
Onions	21	180
Potatoes	7	60
Tomatoes	14	60

COMPATIBILITY

Govern Herbicide is compatible with glyphosate products (Sipcarn Glyphosate 360, Sipcarn Glyphosate 450, Glyphosate 510), oryzalin 500, Inferno Herbicide (paraquat), diquat, paraquat/diquat and Basta.

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.

PROTECTION OF LIVESTOCK

Use with care when applying in areas frequented by stock.

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.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycle or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

SAFETY DIRECTIONS

Will damage the skin. Will irritate the eyes. 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

If poisoning occurs, contact a doctor or Poisons Information Centre. Telephone Australia: 13 11 26.

MATERIAL SAFETY DATA SHEET

If additional hazard information is required refer to the Material Safety Data Sheet. For a copy visit our website at www.sipcarn.com.au.

MANUFACTURER'S WARRANTY AND EXCLUSION OF LIABILITY

Sipcarn Pacific Australia Pty Limited (Sipcarn) shall not be liable for any loss, injury, damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence, use under abnormal conditions or otherwise in connection with the sale, supply, use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on Sipcarn's skill or judgment in purchasing or using the product and every person dealing with this product does so at their own risk.

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