

# CAUTION

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

# OFFEND 240

## HERBICIDE

ACTIVE CONSTITUTENT: 240 g/L OXYFLUORFEN  
SOLVENTS: 100 g/L N-METHYL PYRROLIDONE  
608 g/L LIQUID HYDROCARBONS

GROUP **G** HERBICIDE

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

**IMPORTANT:**

**READ THIS LEAFLET BEFORE USING THIS PRODUCT**

**APVMA Approval No: 67885/57027**



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## DIRECTIONS FOR USE

CROP SITUATION	WEEDS CONTROLLED	TIME OF APPLICATION	RATE	CRITICAL COMMENTS
Treefruit, Nuts and Vines not less than 3 years old	Refer to Weeds Controlled list	Weed free soil	3 or 4 L/ha	DO NOT apply Offend 240 Herbicide once bud swell has occurred. Apply to freshly cultivated weed free soil. Use the higher rate for longer residual control (up to 4 months). Where grass weeds are expected to be a major problem, or when control of a wider weed spectrum is needed, mix the lower rate with 4.5L Oryzalin (500g/L) per treated hectare. Refer to individual product labels for crops, rates, states and weeds controlled.
<b>DORMANT APPLICATION</b> Almonds, Apples, Apricots, Grapevine, Macadamias, Plums, Peaches, Pears, Pecans, Walnuts		Weeds at 4-6 true leaf stage		DO NOT apply Offend 240 Herbicide once bud swell has occurred. Use the higher rate for longer residual control (up to 4 months). When young seedling grasses and/or broadleaf weeds are present, apply as a tank mix with Kwicknock 250, Diquat 200, Glyphosate 360 to give both knockdown and residual control. Refer to individual product labels for rates. Addition of a non-ionic surfactant such as Activator Surfactant should be used in the spray mixture at 125mL/100L. Mature, established weeds must be eliminated prior to application of Offend 240 Herbicide by chemical or mechanical means. Macadamias: Apply in 250 to 500L water/ha. Apply after harvest to prevent spray contacting nuts. Avoid contact with macadamia tree foliage and stem. DO NOT apply to nuts on the ground.
Almonds, Apples, Apricots, Grape Vines, Macadamias, Peaches, Pears, Pecans, Plums, Walnuts	Refer to Kwicknock label	Emerged weeds present	250 mL plus Kwicknock 250 at recommended label rates OR 25 to 30 mL/100L plus Kwicknock at recommended label rates	The addition of Kwicknock 250 will improve control of Small Flowered Mallow, Evening Primrose and other weeds sensitive to Offend 240 Herbicide. Apply as a tank mix with Kwicknock, refer to and follow all label directions.

Almonds, Apples, Apricots, Grape Vines, Macadamias, Peaches, Pears, Pecans, Walnuts	Refer to Glyphosate 360 g/L, Glyphosate 450 g/L, Glyphosate 540 g/L	Apply as a tank mix with glyphosate products to actively growing emerged weeds	75 mL/ha plus Glyphosate 360 g/L, Glyphosate 450 g/L, Glyphosate 540 g/L, at recommended label rates	The addition of Offend 240 Herbicide 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 refer to the appropriate label. Read and follow all label directions. DO NOT apply the tank mix of glyphosate and Offend 240 Herbicide near trees or vines less than 3 years old unless they are effectively shielded from spray and spray drift.
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 ( Galium aparine), 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> )	Emerged weeds present	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. Add a non-ionic surfactant, to enhance activity. Established larger weeds must be eliminated by mechanical means.
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. Offend 240 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/Paraquat 200 g/L 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 Paraquat 250 g/L 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.

Onions (seeded)	<p>Blackberry Nighthshade (<i>Solanum nigrum</i>), Common Cotula (<i>Cotula australis</i>), Crowfoot/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>Gainsoga paviflora</i>), Volunteer Potato (<i>Solanum tuberosum</i>)</p>	Hook leaf stage 1½ to 2½ true leaf stage	50 – 100 mL/ha	350 – 500 mL/ha	<p>DO NOT exceed 100 mL/ha at the hook leaf stage as excessive crop damage may occur.</p> <p>Best results are obtained when the hook leaf stage treatment is followed by a further application of Offend 240 Herbicide when onions are at the 1½ to 2½ true leaf stage.</p> <p>Apply Offend 240 Herbicide in at least 100 L/ha water at pressures below 150 kPa.</p> <p>DO NOT exceed 150 kPa pressure because excessive crop damage could result.</p> <p>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.</p> <p>Note: Can cause flecking, twisting or stunting of onion plants although such symptoms are normally short-lived.</p> <p>DO NOT apply in conditions of very high humidity.</p> <p>DO NOT apply to weeds or crops which are stressed by prevailing weather conditions, disease or mechanical damage.</p> <p>DO NOT use wetting agents or other adjuvants.</p>
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Tropical and Subtropical Fruit (inedible peel) 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.  If weeds are present Offend 240 Herbicide should be applied as a tank mix with recommended rates of Glyphosate 360 g/L, Glyphosate 450 g/L, Glyphosate 540 g/L, Kwicknock 250 or Paraquat 250 g/L.
		Emerged weeds present		
Brassica Crops Broccoli Cabbages Cauliflower	Refer to Weeds Controlled list	Weed free soil	1.5 to 2 L/ha	Apply Offend 240 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 Offend 240 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.
Forestry Plantations Eucalyptus spp. Pinus 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. Offend 240 Herbicide may be tank mixed with Simazine 900WG 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. Offend 240 Herbicide 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.

(CONTINUED) Forestry Plantations Eucalyptus spp. Pinus spp.	(CONTINUED) Refer to Weeds Controlled list	Weeds at 4-6 true leaf stage	(CONTINUED) 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 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 activity. Established weeds must be eliminated prior to application. Offend 240 Herbicide may be tank mixed with Simazine 900WG 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. Offend 240 Herbicide 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 4-6 true leaf stage	4 L/ha or 4 mL/10 m <sup>2</sup>	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	Refer to Glyphosate 450 or Glyphosate 360 label	Apply as a tank mix with glyphosate products	75 mL/ha plus Glyphosate 450, Glyphosate 360, at recommended label rates	Addition of Offend 240 Herbicide 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, Urtica spp. and Marshmallow, Malva parviflora. For rates refer to the appropriate label. Read and follow all label directions.
PRIOR TO SOWING Cotton				

**When using Offend 240 in combination with other herbicides refer to the appropriate label and read all label directions. NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THE LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**

**THIS PRODUCT IS TOO HAZARDOUS TO BE USED IN THE HOME GARDEN**

**WITHHOLDING PERIODS:  
GRAZING  
HARVEST**

**DO NOT GRAZE TREATED WEEDS.  
NOT REQUIRED WHEN USED AS DIRECTED.**

Weeds Controlled by Offend 240 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*  
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*

### **WEEDLINGS**

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*  
Marshmallow *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

Offend 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, duboisia, tobacco, coffee, pyrethrum, winter cereals, tropical/sub-tropical crops, brassicas, onions, Eucalyptus and Pinus spp and other Forestry trees used in forestry either applied to a weed free soil or to seedling weeds at the 4 to 6 true leaf stage.

Offend 240 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 with knockdown herbicides of escape weeds and perennial grasses may be necessary.

When Offend 240 Herbicide is applied to seedling weeds at the 4 to 6 true leaf stage a non-ionic surfactant such should be added at recommended rates to improve activity.

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

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

## RESISTANT WEEDS WARNING



Offend 240 Herbicide is a member of the Diphenyl ether group of herbicides. The mode of action of Offend 240 Herbicide is to inhibit protoporphyrinogen oxidase. For weed resistance management, Offend 240 Herbicide is a Group G herbicide.

Some naturally-occurring weed biotypes resistant to Offend 240 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 Offend 240 Herbicide or other Group G herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Grow Choice Pty Ltd accepts no liability for any losses that may result from the failure of Offend 240 Herbicide to control resistant weeds.

## TIMING

For optimum residual weed control, Offend 240 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 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 Offend 240 Herbicide alone, fill the spray tank at least one-third full with clean water, add the recommended amount of Offend 240 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 Oryalin 500, add to one-third filled tank and then add the Offend 240 Herbicide during the filling operation. Maintain agitation during mixing and until spraying is completed.

When tank mixing with Glyphosate, Kwicknock 250 Herbicide, Paraquat 250 or Diquat 200, add these after Offend 240 Herbicide during the filling operation.

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

## **APPLICATION**

Offend 240 Herbicide 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 volume pressure herbicide sprayer with a flat fan or hollow cone nozzle.

When seedling weeds are present ensure thorough coverage of their foliage to obtain maximum knockdown effect. Ensure both weed foliage and the soil surface are sprayed.

A water volume of 250 to 500 litres per hectare is recommended for treatments on bare soil.

A spray volume of 250 to 1350 litres per hectare is recommended where seedling weeds (4 to 6 leaf stage) are present. Use the higher volumes where weed density is high.

## **CROP SAFETY**

Offend 240 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 Offend 240 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 Offend 240 Herbicide. When using the 75 mL/ha rate, Offend 240 Herbicide may be applied as directed prior to sowing winter cereals.

## **COMPATIBILITY**

Offend 240 Herbicide is compatible with Glyphosate, Oryzalin 500, Kwicknock 250, Paraquat 250, Diquat 200 and Glufosinate.

## **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 water bodies, 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 lakes, ponds, 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.

This container can be recycled if it is clean, dry, free of visible residues and has the drumMUSTER logo visible. Triple or preferably pressure 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.

If not recycling, break, crush, or puncture and deliver empty packaging for appropriate disposal 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.

## **SAFETY DIRECTIONS**

Will damage the eyes. 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.  
If in eyes wash out immediately with water.

#### **MATERIAL SAFETY DATA SHEET**

For further information, refer to the Material Safety Data Sheet which is available from the supplier.

#### **NOTICE TO BUYER**

Grow Choice Pty. Ltd. will not be held liable for any loss, injury or damage, indirect or consequential, arising from the sale, supply, use or application of this product. The product is not to be used for any purpose or in any way contrary to label instructions.