

**ProForce**  
**Echelon Duo**  
**ADVANCED HERBICIDE + INSECTICIDE**

**DIRECTIONS FOR USE**

**RESTRAINTS:**

- DO NOT mix granules with the soil.
- DO NOT apply granules when the turf foliage is wet.
- DO NOT use on putting greens, low cut tees or bowling greens.
- DO NOT apply to newly seeded turf areas.
- DO NOT apply to fairways adjacent to natural water bodies.
- DO NOT apply if heavy rains or storms are forecast within 3 days.
- DO NOT irrigate to the point of water runoff from the treatment area.
- For PROFESSIONAL use only.
- DO NOT treat more than 1 ha per day with belly grinder.

Situation	Target	Turf Species	Rate	Critical Comments
Warm season turfgrass areas, including fairways, golf tees, municipal sports fields, industrial and commercial lawns	Pre-emergent control of Summer Grass ( <i>Digitaria ciliaris</i> ), Crowsfoot Grass ( <i>Eleusine indica</i> )	Kikuyu ( <i>Pennisetum clandestinum</i> ), Buffalo Grass ( <i>Stenotaphrum secundatum</i> ), Common Couch ( <i>Cynodon dactylon</i> ), Hybrid Couch grass ( <i>Not Santa Ana</i> ) ( <i>Cynodon dactylon</i> , <i>C. transvaalensis</i> )	300 kg/ha (3 kg/100 m <sup>2</sup> )	The product is ready to apply. No mixing or dilution is required. Apply product evenly to dry foliage and bare areas using a granular spreader able to give even coverage. Application must be made before weeds have begun to germinate. Established weeds will not be controlled. After application water in with at least 10 mm of sprinkler irrigation. Control of germinating weed seedlings can be expected for up to 10 weeks after application depending upon temperature, rainfall, soil type and other factors. If longer control is required a repeat application should be made 7-10 weeks after initial application. <b>DO NOT</b> mow treated area until product has been watered in and turf foliage has dried. Avoid application when daytime temperatures are consistently above 32°C. This product is not recommended for use on putting greens, low cut tees or bowling greens. <b>DO NOT</b> apply on turf containing Carpet Grass ( <i>Axonopus</i> spp.), Centipede Grass ( <i>Eremochloa ophiuroides</i> ) and Dichondra unless some damage is acceptable.
	Pre-emergent Control of Winter Grass ( <i>Poa annua</i> ) Creeping Oxalis ( <i>Oxalis corniculata</i> )	Saltwater couch ( <i>Paspalum vaginatum</i> ), Queensland Blue Couch ( <i>Digitaria didactyla</i> ), Bahia grass ( <i>Paspalum notatum</i> ), Zoysia grass ( <i>Zoysia matrella</i> )	400 kg/ha (4 kg/100 m <sup>2</sup> )	
	First instar larvae of African Black Beetle ( <i>Heteronychus arator</i> )		300 kg/ha (3 kg/100 m <sup>2</sup> )	Apply prior to or at peak egg hatch, mid spring to early summer, or when small larvae are present. Irrigate with 6 to 12 mm of water commencing within 1 hour of application.
	First and second instar larvae of Argentinian Scarab ( <i>Cyclocephala signaticollis</i> )			
	Larvae of Billbug ( <i>Sphenophorus brunnipennis</i> )			Monitor adult activity through late spring and early summer. Spray when numbers peak or when small larvae (4 mm) are found in the thatch or surface soil. Early application is essential to minimise grass damage due to feeding. Irrigate with 6 to 12 mm of water commencing within 1 hour of application.

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

**WITHHOLDING PERIOD**

**DO NOT GRAZE TREATED TURF/LAWN, OR FEED TURF/LAWN CLIPPINGS FROM ANY TREATED AREA TO POULTRY OR LIVESTOCK**

**GENERAL INSTRUCTIONS**

ProForce ECHELON DUO ADVANCED Herbicide + Insecticide is a convenient ready to use formulation for the control of certain annual grass weeds and insect pests in turf with added benefit of providing a fertiliser treatment.

**APPLICATION**

Apply using a properly calibrated granular applicator which will apply the granules in a uniform pattern. Uniform application is essential for satisfactory weed control. Calibrate the applicator prior to use according to the manufacturer's instructions, and check applicator frequently to ensure the equipment is working properly. After application, ensure granules are washed or brushed off the foliage, particularly the foliage of prostrate and dense ground-cover plants. DO NOT apply the granules when the foliage is wet.

**TURF:**

For a granular spreader which can be calibrated for even output and capable of giving even application. Use a double application technique: i.e. half rate width, to achieve a full rate application. Apply under calm conditions, thereby reducing drift to non-target areas and optimizing particle distribution for good weed control. Ensure turf area is free of leaves and other debris, mowing if necessary so that the granules reach the soil surface. Delay reseeded of Ryegrass or Bentgrass into treated areas for 4-5 months (Ryegrass 4 months & Bentgrass 5 months).

**DO NOT** over apply, especially under the branch spread of trees and shrubs. Avoid contact with flowers and shrubs.

Suggested Spreader Settings				
The suggested spreader settings are not intended to replace calibration. Calibrate your spreader before applying product.				
Spreader	Ground Speed	Width of coverage	Spreader Settings	
			300 kg/ha	400 kg/ha
Scotts AccuPro 2000, SR-2000 (cone 4)	4.8 km/hr	4.0 m	0 1/2	Q
Scotts R-8, R-8A (cone 4)	4.8 km/hr	4.0 m	0	P 1/2
Spyker 288 Super	4.8 km/hr	3.0 m	3.9	4.2
Vicon (03 Series - Standard Spout)	7.3 km/hr	11.0 m	37	44

**HERBICIDE RESISTANCE WARNING**

ProForce ECHELON DUO ADVANCED Herbicide + Insecticide is a member of the Oxadiazole Group **GROUP G** HERBICIDE of herbicide. ECHELON DUO ADVANCED is an inhibitor of protoporphyrinogen oxidase. For weed resistance management, ECHELON DUO ADVANCED is a Group G Herbicide. Some naturally occurring weed biotypes resistant to ECHELON DUO ADVANCED may exist through normal genetic variability in weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by ECHELON DUO ADVANCED or other oxadiazole group herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Indigo Specialty Products Pty Ltd does not accept liability for any losses that may result from failure of ECHELON DUO ADVANCED to control resistant weeds.

**INSECTICIDE RESISTANCE WARNING**

For insecticide resistance management ProForce ECHELON DUO ADVANCED Herbicide + Insecticide is a Group 4A insecticide. Some naturally occurring insect biotypes resistant to ECHELON DUO ADVANCED and other Group 4A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if ECHELON DUO ADVANCED or other Group 4A insecticides are used repeatedly. The effectiveness of ECHELON DUO ADVANCED on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Indigo Specialty Products Pty Ltd accepts no liability for any losses that may result from failure of ECHELON DUO ADVANCED to control resistant insects. ECHELON DUO ADVANCED may be subject to specific resistance management strategies. For further information contact your supplier, Indigo Specialty Products representative or local agricultural department agronomist.

**INTEGRATED PEST MANAGEMENT**

Toxic to beneficial arthropods. Not compatible with integrated pest management (IPM) programs utilising beneficial arthropods.

**PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

To protect birds and wild mammals, remove spillages. Very toxic to aquatic life. DO NOT contaminate streams, rivers or watercourses with this product or used containers.

**CONDITIONS OF SALE:** Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. No warranty (other than non-excludable statutory warranties) of merchantability or fitness for a particular purpose, express or implied, extends to the use of product contrary to label instructions, or under off-label permits not endorsed by Indigo Specialty Products Pty Ltd or under abnormal conditions. Indigo Specialty Products Pty Ltd accepts no liability for any loss or damage arising from incorrect storage, handling or use.

**PROTECTION OF HONEY BEES AND OTHER INSECT POLLINATORS**

Highly toxic to bees. Thiamethoxam has systemic action. However, the use of this product as directed is not expected to have adverse effects on bees.

**STORAGE AND DISPOSAL**

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Do not store with seed, feed, foodstuffs, insecticides, fungicides or other fertilisers. Triple-rinse containers before disposal. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to designated collection point. 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 500 mm 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.

**SPILLS**

Sweep up spilled materials and return to original container. Wash contaminated equipment taking care the washings DO NOT enter sewers, drains and other waterways.

**SAFETY DIRECTIONS**

May irritate eyes and skin. Avoid contact with eyes and skin. Do not inhale dust. When opening the container and using the product, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing). Wash hands after use.

**FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26, New Zealand 0800 764 766.

**SAFETY DATA SHEET**

Additional information is listed in the safety data sheet (SDS). A safety data sheet for ProForce ECHELON DUO ADVANCED Herbicide + Insecticide is available from Indigo Specialty Products Pty Ltd on request.

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

**ProForce**  
**Echelon Duo**  
**ADVANCED HERBICIDE + INSECTICIDE**

ACTIVE CONSTITUENTS: 10 g/kg OXADIAZON  
 1 g/kg THIAMETHOXAM

**GROUP G** HERBICIDE **GROUP 4A** INSECTICIDE

Combination herbicide, insecticide and fertiliser for preemergent control of summer grass, crowsfoot grass, winter grass and creeping oxalis and for control of African black beetle, Argentinian scarab and billbug in turf with the added benefit of a fertiliser to feed turf.

**IMPORTANT: THIS LEAFLET IS PART OF THE LABEL ATTACHED TO THE CONTAINER. READ THOROUGHLY BEFORE OPENING OR USING THIS PRODUCT.**

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