Crowbar

What is Crowbar?

Crowbar Herbicide is a post emergent grass herbicide containing 375g/L Diclofop Methyl. It is registered for the control of Crowsfoot (*Eleusine indica*) in a range of turf species including Couch, Kikuyu, Qld Blue Couch, Buffalo and Salt Walter Couch.

Features of Crowbar:

- Proven performance.
- Cost effective option for large area treatment.
- Excellent turf safety characteristics on warm season grasses including Couch, Kikuyu, Qld Blue & Buffalo.
- Very effective in controlling Crowsfoot when in the early growth stages (seedling to tillering).
- Can be applied regularly throughout the season.
- Rainfall and irrigation won't diminish effectiveness as much as other products.
- Quality formulation.

Mode of Action of Crowbar Herbicide:

Crowbar Herbicide is a selective systemic herbicide, which is absorbed primarily by the leaves, with some absorption by the roots in moist soil. Once inside the plant Diclofop methyl undergoes rapid transformation to the diclofop molecule, which is translocated within the plant.

Crowbar Herbicide is a Group A mode of action. Diclofop Methyl, the active ingredient in **Crowbar** works by inhibiting fatty acid production via prevention of acetyl CoA carboxylase (ACCase) synthase. As a result, Diclofop Methyl has been proven to destroy the plant's cell membrane, prevent the translocation of assimilates (plant food reserves) to the root system, reduce plant chlorophyll content, and inhibit photosynthesis and meristem activity.

Application:

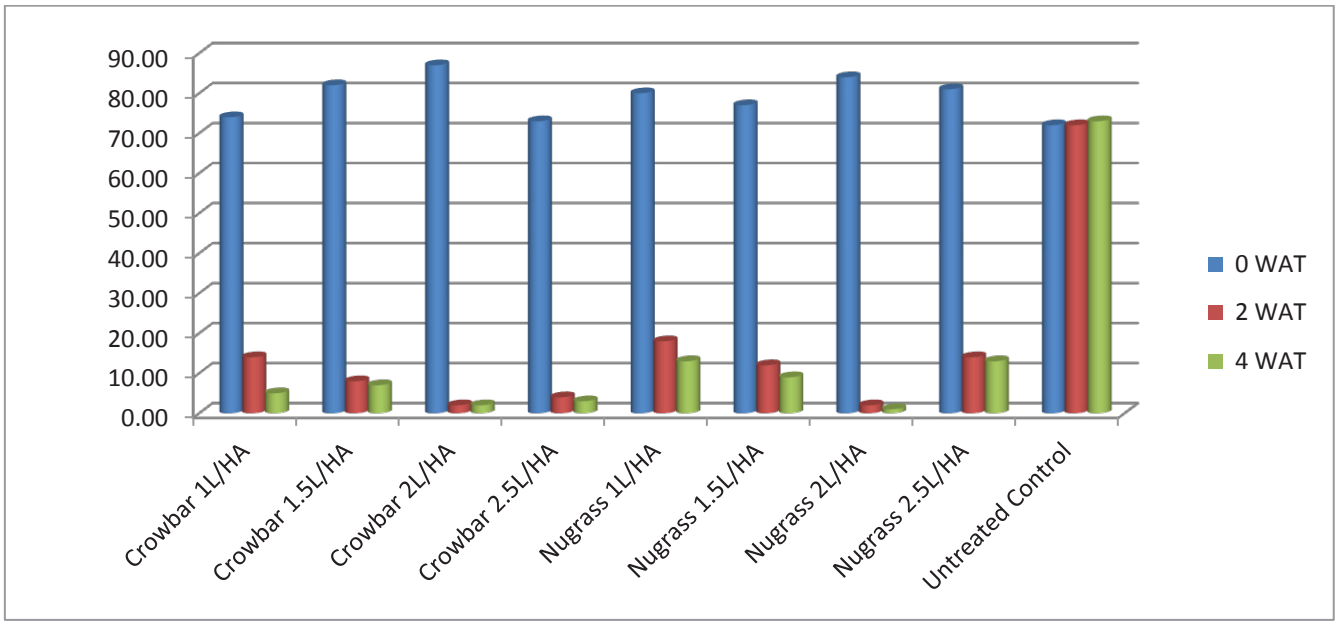
Crowbar is applied at a rate of 1.0 – 2.5L/Ha (10 – 25mL/100m^2). Use the lower rate for seedlings, and the higher rate for more established Crowsfoot plants. A repeat application maybe required in 2-4 weeks when treating more mature Crowsfoot plants. Results are best with **Crowbar** when applied under good growing conditions and weeds have sufficient leaf area. When using **Crowbar**, the following factors are critical to maximise herbicidal performance.

1. Best results come from early season applications.
2. Ensure good coverage over the Crowsfoot plant. Use higher water volumes where practical (>500L/Ha).
3. The addition of a non-ionic surfactant such as **Pro-Film 904** or a methylated seed soil such as Hasten has been proven to enhance control on Crowsfoot.
4. Avoid applications to turfgrass under drought stress or stress from insects, diseases or nematodes.
5. Do not apply **Crowbar** through any type of irrigation system.
6. Do not tank mix **Crowbar** with any liquid fertiliser.



CROWBAR AT A GLANCE	
Active Ingredient:	375g/L Diclofop Methyl
Pack Size:	20L
Pre or Post Emergence Activity:	Post Emergent
Scheduling:	Schedule 6
Rate:	1.0 – 2.5L/Ha
Mode of Action Group	Group A Herbicide

Australian Field Trial Results- Crowbar Herbicide v Nugrass



Trial conducted at a West Epping Sportsfield, Epping NSW, February – March 2010.

Summary of Field Trial Results

- Both **Crowbar** and Nugrass provided better control than the untreated control.
- **Crowbar** provided statistically equivalent control of the Crowsfoot population to the industry standard Nugrass.
- Control was achieved with **Crowbar** on Crowsfoot with one application and took 30 days to see the best result.

Crowsfoot Grass – Key Notes

- Botanical Name - Eleusine indica
- Spring, Summer Annual. Can be a Perennial in Northern States.
- Germination Temperature: 16 - 18°C for five consecutive nights.
- Number of seeds per plant:<4,000. Germinates later than Summergrass.
- Tough, dark green monocot with flattened stems and strap-like leaves.
- Smooth leaf blades with folded vernation and white sheaths.
- Short membranous ligule divided at centre.
- Tolerates low mowing heights.
- Inflorescence is two to ten spikelets on long stem.
- Seeds profusely from late spring through to autumn.



QUALITY • VALUE • RELIABILITY

Getting Your Timing Right with Crowbar

Crowsfoot Growth Stage	J	A	S	O	N	D	J	F	M	A	M	J
Germination			*	*								
2-Leaf to 4-Leaf				*	*							
Tillering					*	*						
Mature Plant							*	*	*			
Ideal Crowbar Application Timing				*	*	*						
Multiple Applications of Crowsfoot Required							*	*	*	*		

For more information, contact your local Turf distributor or call 02 9395 1200
www.amgrow.com.au