



SHERWOOD

MACHINERY PTY. LTD. A.B.N. 14 003 931 557

263 FERNDAL RD., (P.O. BOX 6)

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WIPE OUT ROPE WICK APPLICATORS

HAND HELD ROPE WICK APPLICATORS

M152: The smallest in our range and most suitable for small gardens, rockeries etc. Holds 200 ml of herbicide.



M152

H153: A light weight garden model with a 150mm rope wick. Similar function as M152 but more suitable for general garden use. Holds 300ml of herbicide. Fixed head 200mm long.



H153

H205: A general purpose model suitable for larger gardens and light farm use. Has a 230mm rope wick . Holds 500ml of herbicide. Fixed head 200mm long.



H205

H2055: A semi-commercial model with four herbicide flow points. A useful model for quick work in heavy weeds. Twin rope wicks overlap at centre giving a 230mm wiping surface. Holds 550ml of herbicide. Removable head 230mm long.



H2055

H206: Similar construction to the H2055 but has a straight connection to the rope wick head rather than an angled connection. Ideally suited to crop situations. Twin overlapping ropes, holds 550ml of herbicide. Fixed head 230mm long.



H206

H2065: A large semi-commercial model with a twin rope wick giving a wiping width of 430mm. has a wide range of uses, suitable for shire councils, cropping situations, orchards, vineyards, vegetable growers, farmers etc. Holds 650ml of herbicide. Removable head 430mm long.



COMPLETE UNITS-HAND OPERATED

WW100: A handy model on wheels that can be pushed or pulled . Suitable for the farmer or the hobby farmer with a small area of weeds who does not wish to use a wide tractor unit. It is fitted with a one metre x 50mm tube with two rows of wiping ropes. Holds two litres of herbicide.



COMPLETE UNITS— SHERWOOD WIPE OUT TRACTOR AND VEHICLE MOUNTED MODELS

Sherwood Wipe Out models are manufactured to meet most requirements. In selecting a unit please note that the Multirope models have twice the wetting properties of the tube models. All models have tractor 3 point linkage except TMB units which attach to 4 wheel bikes and table top vehicles.

3 POINT LINKAGE EQUIPMENT (TUBE TYPE WITH FRAME)

RB250: Frame - centre fill 2 metre tube and 20 litre bottle

RB350: Frame - centre fill 3 metre tube and 20 litre bottle

RB450: Frame - centre fill 4 metre tube and 20 litre bottle



RB250 WHEELED TOWING: Frame - centre fill 2 metre tube and 20 litre bottle

RB350 WHEELED TOWING: Frame - centre fill 3 metre tube and 20 litre bottle

RB450 WHEELED TOWING: Frame - centre fill 4 metre tube and 20 litre bottle

FOLDING MODELS

RB450F: Frame - centre fill 2 x 2 metre tubes and 20 litre bottle

RB650F: Frame - centre fill 2 x 3 metre tubes and 20 litre bottle



3 POINT LINKAGE MULTI-ROPE WITH FRAME

MR1-3: Heavy duty multi-rope with 3 metre tubes. Suitable for rough country where the unit is used close to the ground (in Bracken Fern and low weeds). Complete with heavy duty frame and 2 x 20 litre bottles.

MR1-4: Heavy duty multi-rope as above. 4 metre tubes.



MOTORBIKE AND TABLETOP VEHICLE APPLCATOR

TMB-2: Low cost weed control, very high chemical efficiency, height adjustable, no motorised parts, minimum maintenance, two individually pivoting arms (one metre each) to allow for contour control at low height settings with ground clearance skids.

This unit is a complete weed control system - just add herbicide mix.

Suitable for 4 wheeled motorbikes and can be fitted to the trays of tabletop vehicles.

TMB-2



TMB-2



ADHESIVE THICKENER:

This is a very useful additive to herbicide preparation when recommended dilution rates have been exceeded, this product helps in maintaining a liquid consistency comparable to that of the recommended dilution rate. It is also advantageous in helping the herbicide stick to the leaf surface, thereby increasing the contact between plant and herbicide. Available in two sizes:

AT-1: 1 litre adhesive thickener **AT-5:** 5 litre adhesive thickener



ROPE WICK APPLICATOR TUBES ONLY

Sherwood wipe out tube models are manufactured from top quality PVC (class 18) tube, which is at least twice as thick in wall section as some imported brands. Used as recommended Sherwood tubes will give many years of maintenance free service. Sherwood Wipe Out tubes can be purchased separately (see model listings below). 50mm diameter tubes are available with centre or end fill.

50mm diameter tube:

Centre Fill (C)	End Fill (E)	Tube length
T150C	T150E	1 Metre
T250C	T250E	2 Metre
T350C	T350E	3 Metre
T450C	T450E	4 Metre
T550C	T550E	5 Metre
T650C	T650E	6 Metre

MULTIROPE TUBES

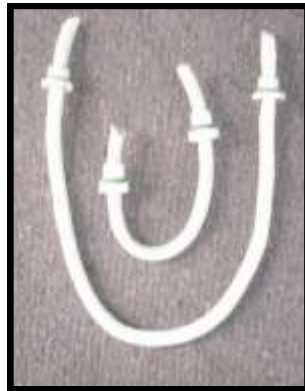
Faster operational speeds, for denser weed infestations and has more wiping surface than any other model. Purchase the tube and build your own frame. As used on our top of the range MR1 series units. Sizes available as listed below.

SIZE	CENTRE FILL ONLY
2 METRE	MRT 250
3 METRE	MRT350
4 METRE	MRT450



ROPE WICK REPLACEMENTS

Tube type (please specify centre to centre size eg 205mm)
Multirope type



All other sizes and configurations are available on request



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ROPE WICK APPLICATORS

Ropewick Applicators can be used to control Fireweed. Wiper equipment applies herbicide onto weeds by rubbing the weed with an absorbent material containing the herbicide solution.

Wiper equipment can be used to apply Glyphosate "Roundup" onto weeds growing in pastures, to non crop areas and to vine and tree crops. This is an economical and selective means of treating weeds in pastures.

The "target" weeds however must be at least 15cm taller than the pasture.

Before treating the weeds with wiper equipment, graze the area, preferably with cattle, to reduce the height of the pasture to expose the Fireweed plants.

Avoid contacting desirable pasture species with wiper equipment.

Operate wiper equipment at speeds not greater than 8km/h. Best results are achieved at slower speeds, usually 3-5km/h. Double pass application is necessary with ropewick equipment. Single pass application is sufficient with multiropes.

Where possible, apply before flowering. "Roundup" through wiper equipment is highly effective on seedlings and flowering plants of Fireweed.

In any infestation there will be a variation in height, stage of development and density of fireweed.

Therefore, some plants may not be contacted by the wiper equipment containing the herbicide solution.

In these cases repeat treatment may be necessary.

Adjust height of wiper equipment so it is high enough to avoid contacting useful vegetation and low enough to make contact with the top one third of the weeds.

Signs of herbicide activity may not be evident for 7-10 days. Treated Fireweed is usually dead in 3-4 weeks.

Mix one part "Roundup" with two parts clean water to prepare a 33% solution.

Fill applicator and allow the ropewicks to saturate. Do not start treatment until the ropewicks are saturated.

The rate of herbicide solution applied per hectare through the wiper equipment will vary with the density and size of the weeds being treated.

Mix only enough herbicide solution for immediate requirements. Do not store mixed solutions for more than a few days. Flush out equipment with water after use.

Do not apply within 4 hours of rain.

Do not treat leaves of weeds wet from dew, rain or irrigation. Wait until they are dry.

Do not treat weeds under moisture stress.

Do not use wiper equipment under dusty conditions or if weeds are covered in dust. Wait until rain has washed the leaves and settled the dust.

Weed wiping to control Fireweed must be integrated with pasture management and improvement programs.

NOTE: Fireweed plants treated with herbicides may become more attractive and palatable to livestock. This could increase the risk of Fireweed poisoning.

Withhold stock from treated areas until Fireweed plants are completely dead. When introducing or grazing stock to treated areas, closely watch them to determine whether they are eating the Fireweed. Remove stock if eating Fireweed in preference to the pasture.

The risk of fireweed poisoning will be greatest where pasture is in short supply and there is a dense infestation of Fireweed.

Updated MAY 2023



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PIONEERS IN AUSTRALIA'S ROPE WICK MANUFACTURING

WIPE OUT ROPE WICK APPLICATORS

CONTROLS WEEDS SUCH AS: Bracken Fern - Johnson Grass - Fireweed - Phragmites (Common Reed) - Tussocks - Rushes - Thistles - Groundsel Bush - Nut Grass - Paterson's Curse - Kikuyu Grass - Blady Grass - Blackberry - Silverleaf Nightshade - Stinkgrass (Lovegrass) and many more.

Experimental Weed Control has been carried out on our property, "Jumping Rock" Bundanoon since 1979. From our experience gained, we have endeavoured to give answers to many questions that we have been asked by farmers. If your particular question has not been answered below, do not hesitate to contact us for assistance.

QUESTIONS

ANSWERS

Can most weeds be controlled ?

YES. Particularly by using suitable herbicides in Sherwood "Wipe Out" Rope Wick Applicator.

Are Rope Wick Applicators more efficient than spraying?

YES. Results are achieved for a fraction of the cost using a Rope Wick. There are no moving parts to wear out, no drift, or mist, can be used on windy days, uses less herbicide, operator doesn't get covered in herbicide.

Is the pasture under weeds affected after using Rope Wick Applicators?

NO. By grazing the pasture off before using the Rope Wick Applicators only the weeds are touched by the ropes, leaving the pasture unaffected.

What types of Sherwood "Wipe out" models are most suitable for thistles and tall weeds?

With thistles and tall weeds, use rear mounted units with height control using 2,3,4,metre tubes or multi rope units. For large areas a 6 metre folding tube unit is very suitable. For low growing weeds and paddocks with stumps or stones the rear mounted 3 point linkage unit is most suitable.

Are Rope Wick Applicators expensive?

NO. You can purchase a complete unit ready to fit your tractor or you can purchase a complete tube and make your own metal frame.

QUESTIONS

ANSWERS

What types of Sherwood “Wipe Out” models are most suitable for Bracken Fern control ?

Two types of Sherwood “Wipe Out” models are manufactured especially for use on bracken fern. A rear tractor mounted Multirope for large areas and a rear mounted tube for smaller areas. Both these units are fitted with auxiliary tanks.

Why do you recommend rear mounted units for use in Bracken Fern?

The herbicide is not transferred from the plants onto the ground by the tractor tyres. Bracken models operate from about 150mm above the ground and the operator with a front mounted model can not lift the unit quickly enough if he notices a stump or rock. Since we have used 3 point linkage rear mounted units we have practically no repairs and the Bracken Fern kill has been excellent.

How fast can I travel when using a rope wick applicator?

Four to eight kilometres per hour . When in heavy growth it is advisable to slow down to make sure all the weeds are wiped by the ropes.

Is it necessary to wipe the ropes over every part of the plant?

No. A high percentage kill can be obtained by wiping only part of the plant.

Can units be used for thistle and tussock control ?

Yes. Units are suitable for all tall weeds.

What herbicides can be used in Sherwood “Wipe Out” Models?

For thistles, etc, we have found “Roundup” herbicide by Monsanto very good. Most herbicides can be used, including Dicamba, Bromoxynil and M.C.P.A.

How long before results are noticeable?

Using “Roundup” the discolouration of the weed is noticed in normal conditions in about 10-14 days and in dry conditions up to 30 days or more.

What strength herbicide should I use?

The manufacturer of “Roundup” recommend one part of “Roundup” with two parts of clean water for use in Rope Wick Applicators.

Is it necessary to use Sherwood Adhesive Thickener?

No. but we obtained better results when it was used and we now advise farmers to add it to the diluted herbicide. It is also suitable for other makes of applicators when excessive dripping occurs. Sherwood Adhesive Thickener, in addition to aiding dilution rates, helps in keeping the herbicide in contact with the foliage through its adhesive action.

Do I have to adjust my flow by tightening or Loosening nuts on the tube?

No. Sherwood units are manufactured in such a way that the flow is automatic. It acts like a wick, as you wipe the herbicide off the outer rope it is replaced by the herbicide coming from the internal rope.

QUESTIONS

ANSWERS

Is the rope used in the Sherwood “Wipe out” Units the best quality available?

We have field tested other ropes, carpet and canvas– some frayed badly when caught on thistles and blackberries. Some showed signs of wear very quickly. Some allowed too much drip and others poor wetting qualities. Generally carpet and canvas used more herbicide, were expensive to repair and units were out of action for hours whilst being repaired. Rope can be replaced in the paddock in a few minutes.

Have the ropes used in the Sherwood Applicators been treated to resist ultra violet rays? If so, why?

Yes. Ropes (including several imported brands) that have not been treated will not resist rotting for more than a few months. rope rot will occur, creating increased replacement costs. All Sherwood Rope Wicks have been treated and replacement costs are reduced to a minimum.

Can ropes be replaced easily in Sherwood models?

Yes. Most units have standard length ropes and can be replaced in a matter minutes.

How long is it before I need to replace any rope wicks?

Longevity of the rope wicks depend on the amount of usage, the terrain and types of weeds you are wiping. Also ensure if the unit is to be stored at the end of the season, flush ropes with fresh water to remove any unused herbicide.

Should Bracken Fern be slashed before using A Rope Wick Applicator?

It is not essential but in work done on our property we found that by slashing and then allowing the Bracken Fern to regrow, we had an even crop of Bracken and we obtained a better kill. Acceptable results were still achieved wiping over old Bracken. Some herbicide is wasted wiping over unslashed old Bracken because of the dead fern within new growth receiving herbicide.

Why are most Sherwood models fed from a bottle above the unit?

It gives an even flow to all ropes, even on hilly country and you can see how much herbicide is in the bottle.

What wiping pattern should I travel to get the best results?

We suggest that for the best results in heavy infestations of weeds you criss-cross at right angles when giving a second application. With Multirope units, one application is usually sufficient.

If some weeds are missed through driver error, when should they be rewiped?

When using “Roundup” you will notice the missed areas within 10 to 21 days and you can rewipe at once, but we suggest about a 3 to 4 week interval as some plants may take longer to show the effects of the herbicide.

How do I do along fence lines?

Use a Sherwood hand unit. Available in four sizes.

Can I use a hand unit on small outbreaks of weeds?

Yes. A hand unit is suitable but we would recommend one of the Commercial double flow models e.g. H2065 or H2055

QUESTIONS

ANSWERS

When is the best time of the year to treat Bracken fern?

Autumn gives the best results and you can continue treatment up until the winter frosts start. Spring is next best option.

When is the best time of the year to treat most weeds?

In spring or when the plant is actively growing.
Bracken fern - Autumn.

Can I be sure that only the best and most suitable materials are used in Sherwood tractor mounted "Wipe Out" Units?

Yes. All tubing is made of class 18 PVC pipe. This is at least twice as thick as most imported units and will stand up to tough Australian conditions.
Frames: All heavy duty Multirope unit tubes are protected by thick angle iron, supported by a strong RHS frame that is painted in rust fighter undercoat and finished in a quality top coat.
Ropes: All ropes used are of top quality, treated against ultra violet rays and of rugged long wearing braided design.
Quality Control: All units are inspected during manufacture. We take pride in making sure that all units are of the best possible quality.

What is the capacity of different size tubes?

80mm tube holds 4.4 litres of herbicide mix per metre of tube
50mm tube holds 2.0 litres of herbicide mix per metre of tube

Can I use dam or creek water?

No. Any water containing organic matter should not be used as it clogs the ropes and reduces the activity of the herbicide. Use clean fresh water.

"Roundup" is the registered trade mark of Monsanto Co. USA

Although we have tried to put on paper all the questions that have been asked, we may not have covered your question, so please ring **02 48836093** or email **sherwoodsales@bigpond.com** us and we will try to help you.
Our objective in these notes is to help farmers solve their weed problems.



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BRACKEN FERN CONTROL USING SHERWOOD WIPE OUT ROPE WICK APPLICATORS

Bracken Fern can be controlled by the use of a Sherwood Wipe Out Rope Wick Applicator in conjunction with suitable herbicides. After three years experimental work on our property at Bundanoon, we have found that the following methods successful.

WIPE OUT METHOD

Slash the existing Bracken Fern 4 to 6 months prior to treatment (generally October-December) to remove old fronds and allow a uniform growth for autumn treatment. When treating unslashed Bracken Fern the results are generally not as good as on pre-slashed Bracken Fern.

Feed off the pasture (if any) two weeks before rope wicking treatment. This is to keep the grasses below the level of the Bracken Fern and so prevent coming into contact with the herbicide on the ropes.

In April, May, or June, wipe over the Bracken Fern going one way, when using a Sherwood Multirope or twice with a tube unit. Results have shown that rear mounted units give best results.

If moisture conditions are good you should see a brownout in 2 to 3 weeks. In dry conditions, it may take 6 to 8 weeks, and if treated in late autumn followed by cold or frosty weather, visual symptoms may be delayed until active growth occurs with more favourable weather conditions.

Areas that have been missed, will be noticed when the bracken Fern starts to brownout and you can touch-up the patches missed.

Using the above method we have obtained between 70 to 80 percent kill. Further treatment of residual Bracken Fern in subsequent years will be necessary.

Better results have been obtained when the Bracken Fern has been pre-slashed. Where you have been unable to do this, a double treatment of wiping may be necessary.

AUSTRALIA'S LARGEST RANGE OF ROPE WICK APPLICATORS

TREATMENT OF FENCE LINES

This can be done with a Sherwood Wipe Out hand held unit (H2055 or H2065 model). It is necessary to do both sides of the fence. A spray unit can also be used but still treat both sides of the fence. Do not neglect your fence lines, as underground Rhizomes can be 2 metres out from the fence.

HERBICIDES

We have tested a number of herbicides on Bracken Fern and found “Roundup” gives the best results. The manufacturer recommends 1 part of “Roundup” with 2 parts clean water. Reduced results may occur if water containing soil is used, e.g. water from dams or creeks or if hard water containing minerals such as calcium is used. If possible mix sufficient herbicide for 1 day’s work, as once diluted it gradually loses strength.

Sherwood Wipe Out units enable you to wipe over your Bracken Fern without touching your pasture. They are economical, as only the herbicide used is that deposited on the plant. They can be used on windy Days, as there is no mist or spray to drift onto other plants or the operator.

The rate of herbicide applied per hectare is dependant on the Bracken Fern infestation with more solution wiped on to denser infestation. In our experience, we have found it considerably cheaper than any other method. (A large cost saving over tradition spraying)

Using a small amount of Sherwood Adhesive Thickener in the herbicide mix will improve adhesion of the herbicide to the weed. To obtain the best results it is better to slow and sure, than fast and careless.

PASTURE IMPROVEMENT AFTER BRACKEN FERN TREATMENT

After the Bracken Fern has been treated, it is a good idea to give it competition by improving the pasture grasses and clovers.

We have mixed pasture seed and lime pelleted clover seed with super phosphate and or lime to top dress Our pastures with excellent results.

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USE OF ROPEWICK APPLICATORS ON FIREWEED

NOTE: Glyphosate is the active constituent of "Roundup"

On August 3rd 1982, ropewick applicators were used to apply Bromoxynil and Glyphosate at (1:2 concentration with water) to Fireweed plants at two sites in the Taree district.

Young plants up to 15cm high and at various growth stages up to bud formation were treated at Burrell Creek, while more mature plants covering all stages of flowering were involved at Happy Valley.

Results were as follows:

TREATMENT	NUMBER OF LIVE PLANTS		PERCENTAGE KILL
	BEFORE TREATMENT	AFTER 4 WEEKS	
BURRELL CREEK YOUNG PLANTS			
BROMOXYNIL + HAND UNIT	30	2	93
GLYPHOSATE + HAND UNIT	24	2	92
HAPPY VALLEY FLOWERING PLANTS			
BROMOXYNIL + HAND UNIT	257	128	50
GLYPHOSATE + HAND UNIT	254	60	76
GLYPHOSATE + CART UNIT (1 METRE)	298	12	96

Plots on both trials were inspected each week after treatment and notes made on appearance of the treated plants.

Burrell Creek:

1 week after treatment - Bromoxynil plants were more severely burned, the smaller plants were dead, while the larger plants had many dead leaves. Glyphosate plants were mainly drooped and twisted.

2 weeks after treatment - Bromoxynil plants appear dead, though two plants were showing shoots from the base of the stem. Glyphosate plants not quite dead yet, no shoots coming from the base of the stem.

3 weeks after treatment-Bromoxynil plants unchanged from last week. Shoots still present but have not Grown. Glyphosate plants all dead except for two (trimmed off by a cow) and even these have no new shoots.
4 weeks after treatment-Bromoxynil - shoots on only two plants, rest show a good kill. Glyphosate –one Plant with shoots and another still alive, the others killed off well.

Happy Valley:

After 1 week-Bromoxynil –some burn evident on younger leaves, no effect on older plants. Glyphosate hand unit –small amount of burn on leaves. Glyphosate + cart unit –burning of young leaves and drooping of young plants evident.

After 2 weeks-Bromoxynil looks like a good kill, no shoots from stem base, not all dead yet. Glyphosate + Hand unit ,also looks like a good kill, not as good as with the cart unit, about 50%of plants dead.

Glyphosate + cart unit, another apparent good kill, no shoots from base of stem, not all dead yet.

After 3 weeks-Bromoxynil , estimated kill about 50%. Glyphosate + hand unit, estimated kill about 80%.

Glyphosate + cart unit, estimated kill about 90%.

At the Happy Valley plot, the cart unit made 1,2,and 3 passes over Fireweed plants growing around the Perimeter of the trial. After 4 weeks, there was no apparent difference in the degree of kill between the various number of passes.

Terry Launders
 Senior Research Agronomist, Taree
 20th January 1983.

Glyphosate at (1:2 concentration with water) was applied to flowering plants of Fireweed with a rope wick applicator in July 1983, at Happy Valley via Taree.

After 3 weeks, there was 69%kill from one pass of the applicator against a 94% kill from two passes.

TREATMENT	NUMBER OF LIVE PLANTS		PERCENTAGE KILL
	BEFORE TREATMENT	AFTER 3 WEEKS	
PLANTS PER 10 SQ METRES			
GLYPHOSATE 1 PASS	197	61	69%
GLYPHOSATE 2 PASSES	162	9	94%

Rope wicks applicator used in these trials were standard units supplied by Sherwood Machinery Pty Ltd
 Cart type Model No. WW100 , Hand unit Model No. H206



Terry Launders

Senior Research Agronomist
 Dept. of Agriculture Taree NSW
 UPDATED APRIL 2021

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