

LOGIC

CONTACT 2000 - FACTSHEET

CONTACT 2000 provides a unique way of applying chemicals to tall weed plants. The basic principles are to apply a much smaller amount of chemical in slightly more concentrated form, but in a controlled and safe way under a protective hood.

Contact 2000 is the first contact weed wiping system to use a contra-rotating brush as the means of applying chemical to the target plant.

The nature of the brush is fundamental to the success of the contact system. Its bristles are made of a special material that absorbs chemical yet holds its shape when 'combed' through even dense tough plants, achieving high levels of contact.

The total amount of liquid absorbed by the brush to saturation point is approximately 5 litres, which is considerable, and allows a wide band of safety to be used in the guidelines for the operator to achieve excellent results.

The use of low ground pressure wheels and tyres is important, as they are very robust, are designed to work in very soft ground where other wiping systems could not operate and provide suspension for the unit in rough conditions. Bracken, rush or general tall weed problems can all be dealt with, only applying chemical to the target weed, resulting in tremendous cost savings as well as protecting vulnerable plants such as clover.

Contact 2000 has a unique control system that allows the operator to match weed density and forward speed, to application rate. The units of 2.5m used in single form or in multiples are very easy to use, can cover a lot of ground quickly and provide a safe environment for operator, farm animals and wildlife.

Chemical supply is provided by any suitable On Board Sprayer. This system can be used behind any suitable towing vehicle, from an ATV to a tractor, 4 x 4, 6 x 6, or specialist all terrain vehicle.

The results of this method over the last 7 years have proved the system achieves excellent results with drastic reductions of chemical use and most of all - reduced costs.



CTF250 with Off-set Drawbar



CTF150

STANDARD SPECIFICATION

DIMENSIONS

Working Width	- Single unit 2.5 metres, 2 or 3 gang units up to 7.5 metres
Overall Width	- 2.67 metres. For easy transport on roadways and through gateways etc
Overall Length	- 2.4 metres
Working Height	- Maximum 430 mm Minimum 0 mm

BRUSH/HOOD

Brush	- Ground driven counter rotating cylindrical brush featuring absorbent material which provides excellent plant contact. Liquid is held evenly throughout its width, even when used sideways across steep ground.
Hood	- Brush housed under a protective hood with spray nozzles, to eliminate any spray drift.

DRAWBAR

Swan Neck Design	- To avoid any 'drag' in tall plants.
Off Set Facility	- Quickly and easily moved drawbar to either side to allow offset facility.
Height Adjustment	- Simple spring assisted adjustment carried out in a few seconds.
Coupling	- Linked to towing vehicle by 50 mm Swivel Hitch Ball coupling

WHEELS/TYRES

Low Ground Pressure	- 22 x11 x 8 tyres on bead lock rims for use on soft ground and rugged terrain
Suspension	Low tyre pressure provides suitable suspension

CHEMICAL SUPPLY

Logic Sprayer Range	- OBS125, OBS640, OBS690, OBS134B and OBS135 are all compatible (For use with other makes/models of On Board Sprayers check with supplying dealer or Logic for confirmation of suitability)
---------------------	---

CHEMICAL CONTROL SYSTEM

Unique Facility	- The operator can quickly control application rates for weed density and forward speed
Cost Effective	- Ensures lowest possible usage of chemical to achieve desired results

OPTIONS

OBS640, OBS134B On Board Sprayers	60 Ltr and 135 Ltr supply tanks with 4.5 Lt/min pumps, ideal for Contact 2000. On Board Sprayers May also be used as On Board Sprayer with boom options up to 2 metres and handlance.
OBS135, OBS690, On Board Sprayer	60 Ltr and 135 Ltr Supply tank with 9 Ltr/min pump, pressure regulation and agitation ideal for Contact 2000, either single units or in gang formation up to 7.5 metres wide. A comprehensive On Board Sprayer in its own right with boom options up to 3.5metres and handlance available.
LBM100 Foam Marker	For accurate field work in often difficult conditions.

USERS of all types are seeing the benefits.

- **UPLAND FARMERS / GAMEKEEPERS** are treating thick infestations of bracken with as little as 0.3 litre / acre (0.75 lt /Ha) of Roundup® chemical, applied at 20:1 concentration. The application is very safe, particularly next to watercourses, due to the protective nature of the hood. Rushes are being systematically controlled over a 3 year period or even quicker if cutting is part of the plan
- **DAIRY FARMERS** are using this system to control nettles, thistles and other taller weeds in grazing pastures and docks as they emerge from silage aftermaths.
- **BEEF and SHEEP FARMERS** are controlling various annual weeds, as well as thistles, nettles and patches of bracken or rushes throughout the farm while protecting valuable clover.
- **FORESTERS** are able to use the 1.5metre model to carry out routine weed control between rows of nursery trees to ensure the best start for them at least cost.

COMPETITION

Now that you know the principles of this type of weed control and the money saving benefits to be had, you will see that the alternative methods on the market don't measure up to Logic's Contact 2000 design.

- **PENETRATION** is the controlling factor with any successful wiping system, especially in heavy infestations. The Contact 2000 contra-rotating bristles get right to the heart of the plant mass, depositing chemical on the more absorbent non-waxy underside of the plants leaves.
Other systems using carpet or wicks DO NOT have the same penetration into plants therefore cannot get enough contact.
- **HEIGHT ADJUSTMENT** should be easy, to get the best out of any situation as the conditions or target height change. The body of Contact 2000 is spring suspended from the drawbar frame. This feature allows ultra- quick height adjustment, simply by pulling out the height adjustment pin and pushing the body up or down to the desired position, including the highest transport position, then releasing the pin to lock off. All in a matter of 2-3 seconds. Other systems on the market are not as simple and involve turnbuckles or the use of spanners, which can take a long time
- **CHEMICAL APPLICATION** on Contact 2000 features a 7 nozzle spray boom above the brush that delivers 0.5 or half litre of chemical mixture evenly over the width of the brush at a variable time interval, depending on the level of weed infestation. Some other systems use a reservoir in which the roller runs, to pick up a specially thickened chemical mixture. This has problems when working on hillsides as the chemical gravitates to one end leaving one end dry and the other overcharged. Some systems use a dribble bar to charge the carpet roller, this too has problems on slopes with uneven discharge.
- **DRAWBAR** design plays an important part in presenting plants to the wiping brush. With Contact 2000 the "swan-neck" design does not flatten any well grown plants and it is very easily moved to either side to give an offset towing position. This can be very useful for operator vision or working close to trees etc.
Other types of wiper generally have low-slung drawbars that can push down foliage therefore reducing the effectiveness of the wiping system. Most other wiping systems do not offer an offset drawbar facility.
- **FLOTATION WHEELS** are standard on Contact 2000, which allows use in soft ground conditions and gives the whole unit a basic suspension. The wheels are also positioned in-board so that they do not run down the next pass of plants to be treated. Chemical transfer from plant to wheel to ground is not a problem and is outweighed by all the advantages, if it had been a problem, we would have done something about it years ago.
- **DAMAGE PREVENTION** is an important consideration when using these machines in often very rough conditions. The brush on Contact 2000 has a narrow core, which helps prevent damage with protection from a layer of bristles. Even so if damage is sustained, this is easily repaired with individual brush sections at minimum cost.
Systems that use sizeable carpeted rollers run the risk of tearing the cover or damaging the roller. Wick systems can sustain tearing or removal of material from the framework. Rollers working in a reservoir run the risk of damage and subsequent serious leaking.
- **FULLY GUARDED BELT DRIVE** featured on all Contact 2000 models prevents any damage and keeps the belt dry for maximum grip. The belt itself is a specially designed segmented type, to transfer drive with no slipping and which can be shortened to maintain tension when the time comes. Some wiping systems don't use any belts but rely on gears or wicks. Those that do, don't use special belts and are unprotected in some cases, leading to trash collection and eventual slipping.
- **MAINTENANCE** access is easy on Contact 2000 as the hood rear panel can be easily removed via 2 hand screws, to reveal the whole brush and spray-line for inspection. Other systems can be accessed but not as easily, some requiring tools to do it.
- **IN-LINE FILTER** leading to the spray-line is standard on Contact 2000, which helps prevent nozzle blockages. This feature is important if the unit is to be used for long days away from a domestic water supply. It is often the case that the operator will only carry chemicals and use a drinking trough or stream to re-fill the sprayer tank, rather than carry quantities of clean water. This filtration system allows this and simplifies the job. Some other spray-line systems don't have this facility which can lead to nozzle blockages and irregular re-charging of the wiping system, leading to untreated strips.
- **HANDS FREE CONTROL** is a feature on Contact 2000, which improves the safety aspect of the work. The control box can be mounted in easy viewing of the operator and only requires a quick press of the button for instant re-charging, or movement of the adjustment switch, depending on the changing application required.
Other systems require the operator to carry a hand switch to apply a re-charging system which increases fatigue and reduces operator control of the towing vehicle.

- **CHOICE OF MODELS** enables a purchaser to match his requirements to the optimum size of unit. Logic offer two main models, a 1.5 metre unit for small scale, forestry, municipal, park-land and domestic use, or a 2.5 metre unit for general agricultural use. These can be used in gang formations, to create wider operating widths of up to 7.5 metres, for large farms or contractor use.
- **ADJUSTABLE OPERATING PATTERNS** can be achieved on the Contact 2000 spray-line simply by turning off nozzles. This can be very useful when treating a narrow strip around a field headland or close to a watercourse. Other wiping systems cannot do this easily, it's all or nothing.