

THE WORLD'S FIRST INTELLIGENT WEED CONTROL SYSTEM



- Unbeatable performance
 - Unbeatable savings
- Up to 100% kill in one pass, save up to 97% chemical
- An investment that puts money straight to your bottom line

Effects of Weeds on Grassland Farm Profits

Why is weed control so important?

Weed control is a vital part of grassland management, since controlling weeds improves grass yields and grass quality for both grazing and conserved forage. Grass is one of the most important resources for profitable livestock farming. With rising production costs, well managed grassland is a farm's most important asset, proven to provide the most economic feed throughout the year.

- ◆ Weeds have a direct effect on productivity, with 10% weed coverage resulting in 10% yield loss.
- ◆ Weeds make pasture unpalatable.
- ◆ Weeds can pose a threat to livestock health, with some contributing to the spread of disease and some causing illness and even death.
- ◆ Weeds can spread if left untreated and dominate significant areas of pasture reducing the grazing available.

DID YOU KNOW?

- ◆ On average there are **12.5 million** weeds/ha in the top 15cm of soil.
- ◆ A single dock or thistle plant can produce **60,000 seeds**
- ◆ And maybe as important for some...What would your neighbours say? We all have pride in seeing a well managed pasture.

Why choose our Herbicide Applicators?

Quad-X and Blaney Agri form part of the Blaney Group of engineering companies, based in Co Antrim, Northern Ireland, UK.

- ◆ Pioneers in automated weed control technology – the rest of this leaflet will tell you what makes our machines so great!
- ◆ Over 20 years experience in developing innovative solutions for the agricultural industry.
- ◆ Designed and manufactured in Northern Ireland, UK so developed to tackle tough weeds and difficult ground conditions.
- ◆ Sales and technical support - with customer service team or in-house engineers only a phone call away for parts and servicing requirements.

Herbicide Applicator vs Sprayer

Why is our Applicator better than a conventional sprayer & boom?

- ◆ Can be used even on windy days, making the most of short weather windows.
- ◆ No drift.
 - *Save chemical.*
 - *Better for you.*
 - *Better for the environment.*
 - *More concentrated application directly to sensitive underside of the weed for quicker kill rates and huge chemical savings.*
- ◆ Massive savings on chemical since it is only applied to the weed itself, not the pasture.
- ◆ Grass and clover growth unaffected – by applying the chemical directly on the weed, grass and clover are left untouched and allowed to flourish.
- ◆ Quad-X and Blaney's innovative double roller system acts to separate out the weeds for maximum weed kill. This is important in clumps of weeds such as nettles, thistles or rushes.

What makes our Herbicide Applicator special?

- ◆ High performance machines: Developed in Northern Ireland, UK, these machines have been designed for difficult conditions and rough terrain. Investment in R&D, infinite 3D analysis and rigorous testing ensure it can stand up to the toughest of jobs.
- ◆ Designed and manufactured in Northern Ireland, UK – for peace of mind and technical support.
- ◆ The option of unique contra rotating double rollers maximises weed kill and reduces risk of drips.
 - *Twin rollers rotate in opposite directions to help separate out clumps of weeds for better weed kill performance.*
 - *Unique chemical recapturing system: The second roller acts as a reservoir to absorb any excess chemical to reduce the risk of drips.*
- ◆ Advanced, yet easy to use technology: Option of a unique intelligent weed control system
 - *Automatically detects weeds – no more guesswork.*
 - *Automatically applies chemical – leaving you free to drive.*



Weed Wiping with Our Herbicide Applicators

WHAT?

Weed wiping is a cost saving and environmentally friendly method of weed control. With the Quad-X and Blaney herbicide applicators, chemical is applied to a roller application system which targets the underside of the weeds directly for maximum chemical absorption and effective weed kill. The grass and other valuable flora and fauna are left unharmed, resulting in improved grazing potential.

HOW?

The Quad-X and Blaney Agri Herbicide Applicators are set above the height of the grazed pasture and apply chemical directly to the weed for maximum kill, using contra rotating rollers. For many weeds with sensitive microhairs underneath, the roller systems can lift the weed up to get to the underside, rather than applying expensive chemical to the waxy surface. **This results in savings of up to 97% of chemical.**

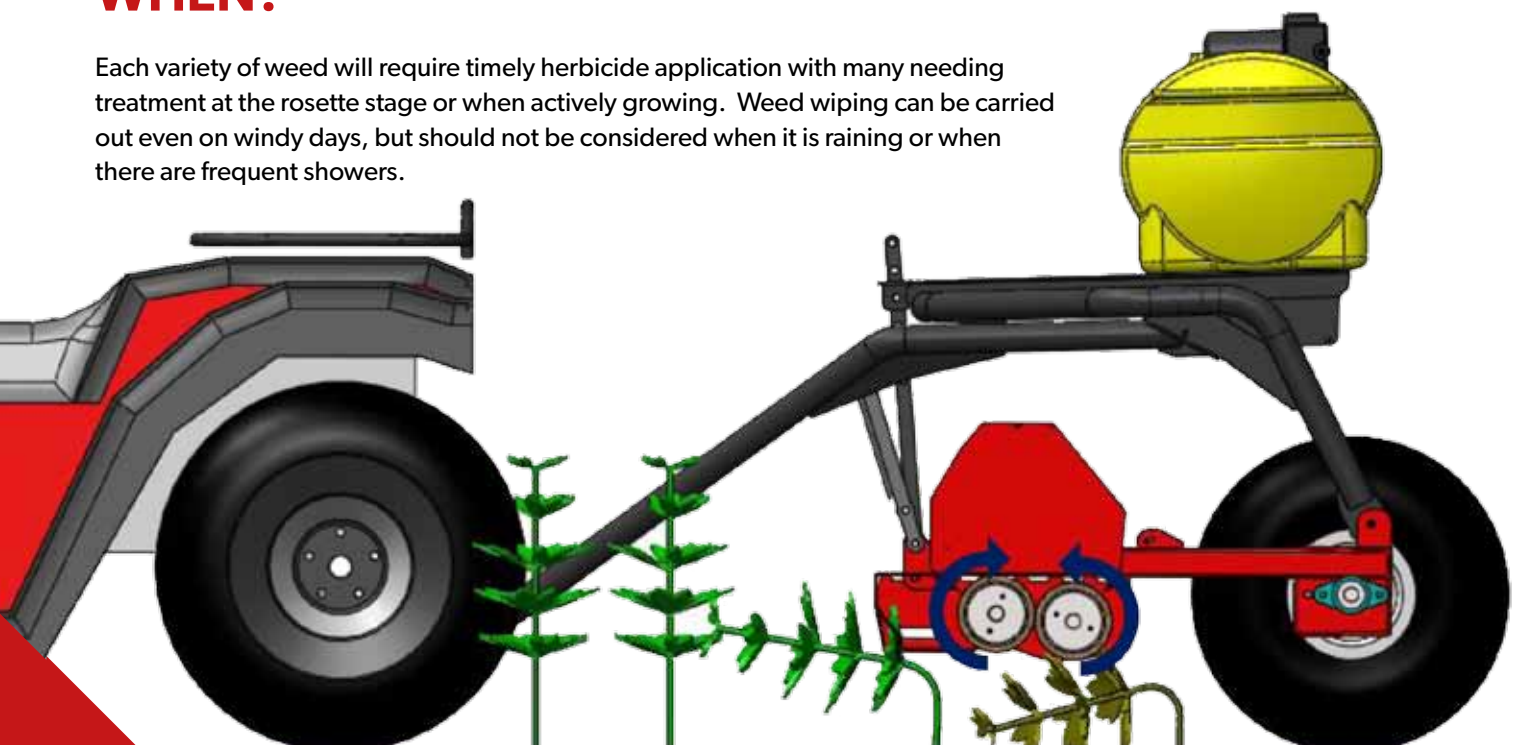
For maximum absorption of herbicide, the Quad-X and Blaney Agri Wipeout™ models use a twin roller system with rollers working in opposite directions to get the most effective chemical application. The Wipeout™ uses advanced, yet easy to use technology for automatic weed detection and chemical application leaving you free to concentrate on driving, with no guesswork needed...giving you time to think about how you can spend all the money you are saving!

WHO?

Ideal for anyone with grazed grassland, or where weeds are taller than the pasture. The Quad-X range of weed wipers (up to 2.4m wide) are equipped with a 50mm towball and can be towed by a 4x4, ATV, UTV or tractor. The Blaney Agri range includes larger towed and mounted tractor models.

WHEN?

Each variety of weed will require timely herbicide application with many needing treatment at the rosette stage or when actively growing. Weed wiping can be carried out even on windy days, but should not be considered when it is raining or when there are frequent showers.



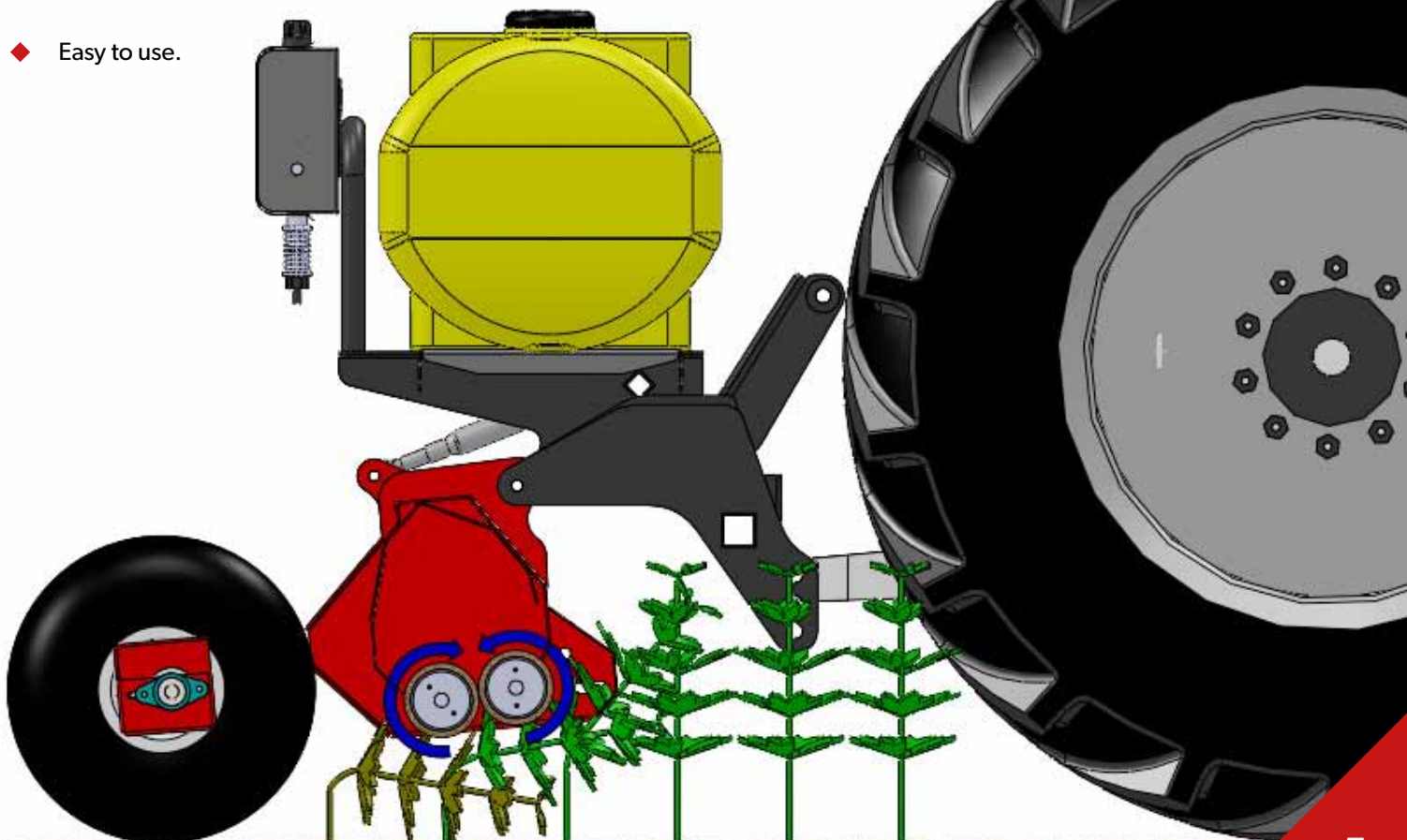
WHERE?

Quad-X & Blaney Agri herbicide applicators are ideally suited to grazed pasture, where weeds are taller than the grass. They are effective on a wide variety of weeds including: rushes, nettles, thistles, docks and bracken.

WHY?

With so many reasons to use a Herbicide Applicator for targeted weed control...**why not!!**

- ◆ Ideal for use on a variety of weeds such as nettles, thistles and rushes.
- ◆ Maintain flora and fauna for nutritious pasture.
- ◆ Massive savings on chemical (up to 97%).
- ◆ Up to 100% weed kill, in one pass.
- ◆ Safer for you and the environment.
- ◆ Treat weeds even on windy days.
- ◆ Save clover and grass growth.
- ◆ Quick return on investment.
- ◆ Reduce chemical run off.
- ◆ Fast work rates.
- ◆ Easy to use.



Wipeout 2™



The Wipeout 2™ is the most popular model of Herbicide Applicator in both the Quad-X & Blaney Agri range.

Here's what makes it so special:

Unique chemical control system to regulate chemical application rates for different weed densities

- ◆ Innovative dual, contra rotating long fibre rollers; for maximum kill & minimum drips.
- ◆ Dual rollers (Xterminator 2™ & Wipeout 2™ models) rotate in opposite directions for optimum chemical application - for quicker kill.
- ◆ 1st roller lifts the weed leaf and applies chemical to the sensitive underside, rather than the waxy surface, for faster kill rates.
- ◆ The 2nd roller acts to separate out clumps of weeds for better application.
- ◆ Unique chemical recapturing system: The 2nd roller absorbs any excess to minimise drips.
- ◆ Achieve up to 100% kill rates - without the need to wipe in the other direction, to save time & chemical.

The Wipeout 2™ is 2nd generation patented, automated and targeted weed control technology offering massive savings on chemical over any conventional system and is ideal for environmentally sensitive areas where boom spraying is not appropriate.



The only machine that can WIPEOUT weed control costs.

- ◆ Unbeatable performance
- ◆ Unbeatable savings
- ◆ Up to 100% kill in one pass, **save up to 97% chemical**

Automatic weed detection and chemical application system

- ◆ Fill your tank & drive - No need for guesswork!
- ◆ The weed detection system automatically activates the system to apply the optimum amount of chemical to the rollers, only when weeds are present, leaving you free to concentrate on driving, while saving chemical.

Unique Atomisation Technology for better chemical application

- ◆ Through considerable development time and investment, Quad-X and Blaney have pioneered a process of unique atomisation technology where chemical is applied in the form of a micro-bubble which attach themselves to the open fibre roller without bursting.
- ◆ Upon contact with the weed, the micro-bubbles burst and provide better stem coverage than the standard chemical film approach.



Weed Wipeout 2™ Enhanced Features:

- Improved performance with less chemical usage thanks to further R&D on chemical application process.
- New tank retaining system and new remote radio frequency controller to avoid risk of accidental damage.
- Improved frame design for extra strength, yet more lightweight.
- Improved design for maintenance to reduce service time. No need for tools for service checks.

Quad-X : Features

Quad-X offer a range of herbicide applicators, equipped with a 50mm towball which can be towed behind an ATV, UTV, 4x4 or tractor.

Models include:

- ◆ Wipeout 2 Elite™
- ◆ Wipeout 2™
- ◆ Xterminator 2™
- ◆ Weed Destroyer™
- ◆ Weed Comb™

The main features of all these machines are:

- ◆ Total width of machines is 2.4m/8ft.
- ◆ Absorbent long fibre synthetic rollers - for less drips & optimum chemical retention & application.
- ◆ Contra rotating rollers apply the chemical to the sensitive underside of the weed giving a more efficient and faster kill rate.
- ◆ Knobby 22x11-8 flotation tyres make the machine suitable for use on soft/wet ground with optimal chemical application & atomisation.
- ◆ With the largest height range on the market; they can be adjusted from 140mm – 380mm.
- ◆ Unique drawbar design so the roller is first to come into contact with weeds after the towing vehicle (weeds aren't knocked down by drawbar).
- ◆ Three machines can be connected.





Options:

- ◆ 60L or 100L tank
- ◆ Equipped with high capacity Superpump, with 4 chambers to create more pressure and finer droplets for less waste.
- ◆ Yellow UV protected tank with heavy wall for durability and long life - with drain plug for easy drainage.
- ◆ Spring Assisted Lift & Jockey wheel – for easy height adjustment.
- ◆ Bout marker – to assist the operator by clearly indicating the line of travel needed to ensure all ground is covered without misses or overlaps.

Quad-X : Models

Wipeout 2 Elite™

The Wipeout 2 Elite™ has all the features of the Wipeout 2™, but also comes with a unique chemical injection system; where the chemical is added to a separate tank from the water. This patent pending technology has been designed to mix the chemical with the water at the set rate to ensure accurate mixing and prevents chemical being wasted. All excess chemical can then be safely and easily dispensed from the separate chemical tank back into its original container, saving expensive chemical on changeovers.



Wipeout 2™

The Quad-X Wipeout 2™ offers unbeatable performance and unbeatable savings. Page 4 and 5 detail some pretty impressive features of the Wipeout 2™.



Xterminator 2™

This has all the features of the Wipeout 2™, however instead of the automatic chemical application system it has a manual application system, so the user controls the chemical application. With optional tank.



Weed Destroyer™

Although one of the more basic models in the Quad-X range, it still has a lot of impressive features. Equipped with a single contra-rotating roller, it lifts the weed up and applies the chemical to the sensitive underside of the leaf for faster herbicide absorption and faster weed kill rates.

The Weed Destroyer uses a manual chemical application process and comes with optional tank and tank mount. Drawbar can be offset (3 positions).



Weed Comb™

Ideal for weed control in brambles and thorns, but given the nature of the applicator brush there is less chemical retention.

(The other models use special long fibre, contra rotating rollers for excellent chemical application and retention. Equipped with a special cross hatch back to assist with even application on slopes).



Testimonials



"We bought the Quad-X Weed Wiper to use in heavy rushes on hill land where boom spraying wasn't allowed as part of an agri-environmental scheme. Previously we had been cutting the rushes which was hard on diesel and machinery and gave poor results. The wiper has given fantastic results with 100% kill after just one treatment. The wiper is quicker and cheaper to run and compared to spraying saves a lot of chemical. Stormy weather is no problem for the wiper and there is less disruption to grazing. Our land is an important area for breeding wader bird habitats and the Quad-X wiper helps us manage rushes without any damaging offspray."

Bonnar Farms, Co Antrim. RSPB Wildlife Friendly Farmer of the Year

"Since getting my QUAD Wipeout, I have been extremely pleased with the results. Previous to getting one, I used to spray which took on average 2 weeks, now it takes only a day meaning I am able to keep a good rotation going which is something that has saved me a great amount of time. My close neighbours aren't complaining either as the machine ensures no chemical is drifting, therefore they can keep their flowers blooming, and I can keep wiping! Overall it is a strong, well built machine, easy to use, and I am really happy with my Wipeout"

John Jacques - Lancashire



Before



After



*****Shows results 6 weeks after one pass application***

Blaney Agri : Design Innovations

Blaney Agri offer a range of herbicide applicators, all for use with a tractor. They have been developed in response to a growing demand for a more targeted, economical and responsible approach to grassland weed control on a larger scale.

Design innovations include:

- ◆ **Unique wireless chemical control system** – to regulate chemical application rate for different weed densities to reduce costs while maximising weed kill. Additional settings allow for economical use of chemical in varying densities of weeds.
- ◆ **Fully electronic in-cab controls** – to operate each section independently. The control box also comes with cab window mount.
- ◆ **Floating system with hydraulic height adjustment** – for quick and easy repositioning to suit grass and weed height. For independent wing adjustment on the move.
- ◆ **Pivot system** – on all machines of 4.5m+, all sections operate on a pivot system so that each section can follow ground contours independently.
- ◆ **Pivoting headstock** – to better follow contours of the field boundaries
- ◆ **System diagnostics** – for easy troubleshooting (on the Wipeout 2™ and Wipeout 2 Elite™ models)



- ◆ **UV protected 230L tank** – for durability and long life. It's positioned on a high rise frame to allow for easy inspection of the tank contents without having to leave the cab (60l with 2.4m models, 100l with 3m models)
- ◆ **Fold out footstep** - For easy access to fill the tank.
- ◆ **Pump drawer** - This drawer protects all pump and connections from the elements or unwanted knocks. Easy access with no tools required.
- ◆ **Innovative fold up design** - Tighter & higher transport position for road travel and for more clearance for loading on a tractor onto lorry.
- ◆ **Wide profile tyres** – to minimise tracks and surface damage in wet areas and tight turning circles.
- ◆ **Ground driven** – follows the contours of the ground for effective chemical application. Multiple units are designed to pivot for successful weed kill, even on undulating land.

Blaney Agri : Models

Blaney Agri offer a range of tractor mounted models, with 1, 2 or 3 wings which can be controlled individually, via in cab controls.

Wipeout 2 Elite™

The Wipeout 2 Elite™ has all the features of the Wipeout 2™, but also comes with a unique chemical injection system; where the chemical is added to a separate tank from the water. This patent pending technology has been designed to mix the chemical with the water at the set rate to ensure accurate mixing and prevents chemical being wasted. All excess chemical can then be safely and easily dispensed from the separate chemical tank back into its original container, saving expensive chemical on changeovers. Available in 2.4m, 3m, 4.5m, 6.6m, 8.5m, or towed 3m offset.



Wipeout 2™

The Blaney Agri Wipeout 2™ offers unbeatable performance and unbeatable savings. Page 6 and 7 detail some pretty impressive features of the Wipeout 2™.



Xterminator 2™

This has all the features of the Wipeout 2™, however instead of the automatic chemical application system it has a manual application system, so the user controls the chemical application. This model is only available in 2.4m and 3m.





Fully Offset Trailed Herbicide Applicator

The world's first fully offset 3m trailed herbicide applicator can be fully controlled from the cab. It can be positioned either fully offset or directly behind with infinite positioning in between, fully adjustable from the cab.

The adjustable offset function allows for easy weed treatment around obstacles or drains giving the user the ability to work in areas that might prove inaccessible with a fixed position machine. The offset function avoids the concern of some that driving over the weeds before treatment can cause them to be flattened.

Available in the following models: Xterminator 2™, Wipeout 2™, Wipeout 2 Elite™.

Comes with 100L UV protected tank, or optional 230L.

Testimonial



“Running a flock of pedigree Texels, I was excited to hear about a machine that could treat the weeds and also protect the clover. I had always used a tractor sprayer, but each year it would kill off the valuable clover that had established. I have rushes and docks to treat as well as some nettles and thistles. The Blaney Wipeout 2 has given great weed kill results on all of these. This year has been particularly wet and windy and the fantastic thing about the Wipeout 2 is that I can treat the weeds even on windy days when I couldn't have used a sprayer and boom. And if there is a shower of rain, since the chemical is applied to the underside of the weeds, there is less chance of run off”

Donald Rankin - Duntulm, Isle of Skye

Contact Us:

37A Carnearney Road
Ahoghill
Ballymena
County Antrim
Northern Ireland
BT42 2PJ

From UK: **028 2587 2801**
From ROI: **048 2587 2801**
International: **+44 2825 872 801**

Follow us on Twitter!



QuadXmachinery
Blaney Agri

Find us on Facebook!



QuadXmachinery
BlaneyAgri



Contact us for a DVD
showing our range of
tractor machinery and ATV
equipment in action.

Visit our website!



www.blaneyagri.com



www.quad-x.com



Your nearest dealer: