



Because  
**TOUGH JOBS** call for  
**TOUGH PRODUCTS.**

# What is **REAL** Value

These days, nearly anybody can put product in a jug and sell it on price. We think your business deserves more than that. That's why we back our high-performance, proven chemistry with dedicated people passionate about your business. With the global resources of a leader in plant protection chemistry. And with great value. In other words, 'Better Choices. Better Business.'

Contact your Nufarm representative to learn how we can give you better choices for your business.

**Range and Pasture Product Reference Guide**  
See our complete product portfolio online. [www.nufarm.com/us](http://www.nufarm.com/us)



Real Results. Real Savings.  
**Real Value.**



# A commitment to Sustainability

Better solutions today.  
Better environment tomorrow.

Nufarm is placing increasing emphasis on sustainability across our entire organization. Here are just a few of our accomplishments:

Decreased CO<sub>2</sub> emissions by more than **120,000 tons** from 2000 to 2008, all while increasing production.

Our Chicago Heights formulation plant produces millions of gallons of product with **0 liquid emissions** from manufacturing and **reduced solid waste by 23%** from 2007 to 2008.

To learn more, ask your Nufarm representative for our Sustainability Brochure. For a complete report, download our annual Health, Safety & Environment Report at [www.nufarm.com](http://www.nufarm.com).



Product and EPA Registration Number	Summary	Active Ingredient (%) and Formulation	Brand Alternative	Packaging	Fed. Restricted-Use and Signal Word
<b>New from Nufarm   High-performance products to tackle tough weeds and insects in pastures</b>					
<b>AquaSweep</b> 228-316	The first liquid premix with full terrestrial and aquatic uses, AquaSweep is the perfect base for any selective weed control program interspersed with aquatic and wetland areas.	2,4-D (34.2%) triclopyr (15.2%) liquid	none	2 x 2.5 gal 30 gal drum	no danger
<b>E-2</b> 228-442	Premiere weed control and grass selectivity for pastures. Controls more than 240 broadleaf weeds including sericea lespedeza, horseweed, dogfennel, blackberry and hemp dogbane.	2,4-D (39.53%) fluroxypyr (5.9%) dicamba (4.1%) liquid	none	2 x 2.5 gal 30 gal 250 gal	no warning
<b>Edict 2SC IVM</b> 71711-25	Excellent control of tough species like leafy spurge and rapid burndown of broadleaf weeds. Improves the long-term performance of 2,4-D, picloram and other common range and pasture herbicides.	pyraflufen ethyl (2.0%) liquid	none	8 x 1 qt 4 x 1 gal	no caution
<b>Lambda-Cyhalothrin 1 EC</b> 228-708	Controls more than fifty of the toughest insects, including army cutworm, on a wide variety of crops. Plus, the excellent EC formulation ensures easy mixing.	lambda-cyhalothrin (13.0%) emulsifiable concentrate	Karate®, Warrior® (Syngenta)	4 x 1 gal	yes warning
<b>Selective Herbicides   Phenoxy   Proven effective and economical control of broadleaf weeds</b>					
<b>Solution WS</b> 228-260	Highly-concentrated dry 2,4-D formulation for broadleaf weed control.	2,4-D (96.9%) water-soluble powder	none	20 x 19 wt oz packets/case	no except CA danger
<b>Weedone LV4 EC</b> 35935-6-71368	A low volatile 2,4-D ester. Mixes well with all fluid fertilizers.	2,4-D (67.2%) liquid	none	2 x 2.5 gal 30 gal 250 gal tote bulk	no caution
<b>Weedone LV6 EC</b> 71368-11	High-acid concentration for efficient shipping and storage. Excellent for aerial or custom application.	2,4-D (87.3%) liquid	none	2 x 2.5 gal 30 gal 250 gal tote bulk	no caution
<b>WEEDestroy AM-40</b> 228-145	Clear, low-odor DMA formulation with improved aquatic instructions. Fully labeled for range and pasture.	2,4-D (47.3%) liquid	none	5 x 1 gal 2 x 2.5 gal 30 gal, 55 gal 250 gal tote	no except CA danger
<b>Selective Herbicides   Dicamba   Versatile, economical tool for broadleaf control and resistance management</b>					
<b>DIABLO</b> 228-379	Offers extensive control of brush, vines, and broadleaf weeds in pasture, range and non-crop areas.	dicamba (48.2%) liquid	Banvel® (Arysta)	2 x 2.5 gal 30 gal 250 gal tote	no caution
<b>Weedmaster</b> 71368-34	Combination of dicamba and 2,4-D for dependable, long-lasting control of broadleaf weeds and brush in pastures and rangeland.	dicamba (12.4%) 2,4-D (35.7%) liquid	none	5 x 1 gal 2 x 2.5 gal 30 gal 250 gal tote, bulk	no caution

Product and EPA Registration Number	Summary	Active Ingredient (%) and Formulation	Brand Alternative	Packaging	Fed. Restricted-Use and Signal Word
<b>Brazen™</b> 228-564	Controls both annual and perennial broadleaf weeds without harming desirable grasses.	clopyralid (12.1%) triclopyr (33%) liquid	Redeem® R&P (Dow)	8 x 64 oz	no warning
<b>Candor™</b> 228-565	Effective, low-volatile premix that controls many broadleaf weeds and brush. No grazing restrictions for most livestock.	2,4-D (34.4%) triclopyr (16.5%) liquid	Crossbow® (Dow)	6 x 1 gal 2 x 2.5 gal 30 gal	no except CA caution
<b>CLEAN SLATE®</b> 228-491	Outstanding residual control of difficult weeds including thistle. Selective to most desired established grasses, hardwoods and conifers.	clopyralid (40.9%) liquid	Stinger®, Transline® (Dow)	4 x 64 oz 2 x 2.5 gal 250 gal tote	no caution
<b>Relegate™</b> 228-521	Oil-soluble ester formulation that controls a wide spectrum of broadleaf weeds and brush.	triclopyr (61.6%) liquid	Remedy® (Dow)	6 x 1 gal 2 x 2.5 gal 30 gal	no caution
<b>Trooper™ 22K</b> 228-535	An excellent choice for most noxious and invasive weeds. Translocates for more complete control of top growth and roots of brush and broadleaf weeds while allowing desirable grasses to grow.	picloram (24.4%) liquid	Tordon® 22K (Dow)	2 x 2.5 gal 30 gal	yes caution
<b>Trooper™ P+D</b> 228-530	The standard for broadleaf weed control in pastures and rangelands. Offers excellent residual control of many broadleaf weeds, brush, and noxious and invasive plants.	picloram (10.2%) 2,4-D (39.6%) liquid	Grazon® P+D (Dow)	2 x 2.5 gal 30 gal 250 gal tote bulk	yes warning
<b>Trooper™ Extra</b> 228-586	Three proven active ingredients eliminate need to tank-mix while providing exceptional performance and season-long weed control.	picloram (10.2%) dicamba (5.7%) 2,4-D (39.6%) liquid	none	2 x 2.5 gal	yes warning
<b>Trooper™ Pro</b> 228-599	Enhanced control of species like hemp dogbane and kochia.	picloram (19.42%) fluroxypyr (15.61%) liquid	Surmount® (Dow)	2 x 2.5 gal 30 gal	yes danger



## R&P Tip: Take Down Tough Weeds with E-2

### E-2

Nothing knocks down unsightly weeds like E-2 herbicide. E-2 combines three powerful active ingredients to control more than 240 broadleaf weeds while providing safety for most desirable grasses and reducing the potential for resistant weed development.

### Performance Benefits

- Offers the power of three proven herbicides in one convenient pre-mixed formulation
- Excellent control of more than 240 broadleaf weeds including kochia, horsetail, field bindweed, thistles, plantain and other hard-to-control species
- High-performing weed control in pasture and rangeland, with control of tough species like hemp dogbane and dogfennel

Product and EPA Registration Number	Summary	Active Ingredient (%) and Formulation	Brand Alternative	Packaging	Fed. Restricted-Use and Signal Word
-------------------------------------	---------	---------------------------------------	-------------------	-----------	-------------------------------------

## Selective Herbicides | Sulfonylurea | Low-dose, selective choice for broad-spectrum control



Post-emergent herbicide for control of many problem broadleaf weeds and brush. No grazing restrictions for livestock at certain application rates.

metsulfuron methyl (60%)  
water dispersible granules

Escort®  
(DuPont)

8 x 16 oz

no  
caution

## Non-selective Herbicides | Glyphosate | The standard for post-emerge, total weed control



Specially formulated for aquatic and terrestrial weed and brush control.

glyphosate (53.8%)  
(equivalent to 480 grams/l or  
4 lbs/gal of the acid glyphosate)  
liquid

Rodeo®  
(Monsanto)

2 x 2.5 gal  
30 gal  
250 gal tote

no  
caution



Power of glyphosate against weeds and brush combined with the convenience of a fully loaded formulation.

glyphosate (41%)  
(equivalent to 356 grams/l or  
3 lbs/gal of the acid glyphosate)  
liquid

Roundup Pro®  
(Monsanto)

5 x 1 gal  
2 x 2.5 gal  
30 gal  
250 gal

no  
caution

## Non-selective Herbicides | Imidazolinones | Proven residual control for forestry and other uses



Effective management of grasses and broadleaf weeds for vegetation management, aquatic and railroad applications.

imazapyr (28.7%)  
liquid

Arsenal®, Habitat®  
(BASF)

2 x 2.5 gal  
30 gal

no  
caution



## R&P Tip: Control Resistant and Tough Weeds Quickly

### Edict® 2SC IVM

Edict 2SC IVM Herbicide is a unique and patented PPO inhibitor which provides post-emergent control of a wide range of broadleaf weeds. Edict is labeled at extremely low use rates and works as an excellent tank-mix partner with products like 2,4-D for broadleaf weed control in desirable grasses.

### Performance Benefits

- Patented formulation offers excellent control of unwanted broadleaf weeds
- Excellent tank-mix partner with products such as 2,4-D, Weedmaster and E-2
- Proven control of leafy spurge, field bindweed and other tough species
- Because of its mode of action, Edict is a great resistance management tool for species like kochia, Russian thistle and redroot pigweed