

Beyond[®]

Clearfield[®] Production System Herbicide

Priaxor[®]

Xemium[®] Brand Fungicide

Advanced Plant Health and Broad Spectrum Weed Control for Sunflower

Benefits of Beyond[®] Herbicide for Clearfield[®] Sunflower

- Broad spectrum grass and broadleaf weed control with foliar and residual activity
- No risk of herbicide tank-mix antagonism
- Simple use and cost effective

Benefits of Priaxor[®] Fungicide

- Contains Xemium[®] fungicide technology plus the proven performance of Headline[®] fungicide
- Provides continuous protection because of its unique mobility

Plant Health Helps Maximize Yields



**Beyond (4.5 oz/A) + NIS
(0.25% v/v) + AMS (17 lb/100 gal)**



**Sulfentrazone PRE
(4.5 oz/A)**

BASF Field Trial (2010). NDSU, Fargo, ND.

Increase your sunflower yield with a combination of Beyond herbicide plus Priaxor fungicide.



Technical Information Bulletin

 **BASF**

The Chemical Company

Beyond® Best Use Recommendations

- Apply Beyond at 4 fl oz/A to 2- to 8-leaf Clearfield® sunflower
- Add non-ionic surfactant (NIS) at 0.25% v/v
- Add AMS at 12 to 15 lbs/100 gallons of spray solution

Herbicide Tolerant Sunflower System Comparisons

Characteristics	Beyond Herbicide	Express Herbicide
Residual Weed Control	Yes	No
Post Broadleaf Weed Control	Yes	Yes
Post Grass Control	Yes	No (requires tank-mix)
Post Grass Herbicide Required	No	Yes
Tank-mix antagonism potential*	No	Yes
Mode of Action	Group 2 (ALS-inhibitor)	Group 2 (ALS-inhibitor)
Formulation	Liquid (1 lb ai/gallon)	50% WDG

*Grass control may be reduced in tank mixtures of ALS and ACCase herbicide mode-of-actions.

Weed Control Comparisons

Weed Species	Beyond	Express
Barnyardgrass	Excellent	None
Field sandbur	Fair-Good	None
Green foxtail	Excellent	None
Yellow foxtail	Good-Excellent	None
Volunteer cereals	Good-Excellent	None
Wild oat	Excellent ¹	None
Wild proso millet	Good-Excellent	None
Common cocklebur	Good-Excellent	Fair
Kochia	Excellent ¹	Excellent ¹
Lanceleaf sage*	Excellent	None
Marshelder	Good-Excellent	Excellent
Wild mustard	Excellent	Excellent
Eastern/black nightshade	Excellent	Fair-Good
Hairy nightshade	Excellent	
Redroot pigweed	Excellent	Fair-Good
Wild sunflower	Excellent	Excellent
Russian thistle	Good-Excellent	Excellent

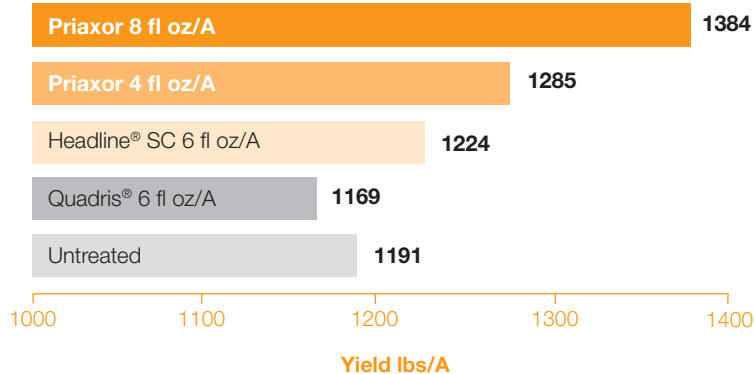
¹Except where resistant populations have developed. *Lanceleaf sage is not on the approved label for Beyond. Rating obtained from the 2009 North Dakota Weed Control Guide.

Priaxor® Best Use Recommendations

- Use Rate: 4–8 fl oz/A
- Adjuvant: NIS at 1 qt/100 gal.
- Minimum PHI: 21 Days
- Timing: R1 to R4 growth stage or before disease onset



Increased Yield of Sunflower Treated with Priaxor



2012, Dr. Sam Markell., NDSU. The sunflower hybrid used was "Jaquar" (a CL confection type).