

PRODUCT ATTRIBUTES	BENEFITS
Partners With ExpressSun® Trait Sunflowers	Allows for broadleaf control without crop damage.
In-Season Control of Annual Broadleaf Weeds	Express® herbicide research trials have demonstrated in-season control of Canada thistle and many other broadleaf weeds.
TotalSol® Soluble Granules	TotalSol soluble granules dissolve completely in water, providing more consistent weed control with faster, easier spray tank clean-out.
Favorable Toxicological Profile	When used in accordance with the label, Express herbicide has a favorable toxicological profile for mammals, birds, fish and other nonplant wildlife.

TECHNICAL INFORMATION							
Active Ingredient	Group	Formulation	Signal Word	PPE	PHI	REI	Packaging
Tribenuron methyl	Group 2 ALS/AHAS inhibitor. Blocks normal function of the enzyme acetolactate acid (ALS) and acetohydroxy acid synthase (AHAS).	Light brown soluble granules	CAUTION	Mixers, loaders, applicators and other handlers: long-sleeved shirt and long pants, shoes plus socks and chemical resistant gloves.	70 days	12 hours	12 x 15 oz.

QUICK FACTS
<ul style="list-style-type: none"> • Cost-effective, broad-spectrum control of tough weeds for a fast, easy harvest. • Wide application window, allowing growers the flexibility to work around the weather. • Excellent rotational flexibility.

APPLICATION RECOMMENDATIONS
<p>For use only on sunflowers with ExpressSun trait for tolerance to Express herbicide.</p> <p>Preemergence/Burndown</p> <ul style="list-style-type: none"> • Express herbicide 0.25-0.5 oz./A. Zero-day interval before planting. <p>Postemergence</p> <ul style="list-style-type: none"> • Express herbicide 0.25-0.5 oz./A + MSO 1 gal./100 gal. Do not exceed 1 oz./A postemergence use per season. <p>Apply 0.5 oz./A rate when weed infestation is heavy or when weeds predominantly consist of weeds partially controlled or when application timing and environmental conditions are marginal.</p>

APPLICATION GUIDELINES
<ul style="list-style-type: none"> • Apply Express herbicide using a minimum spray volume of 5 GPA using flat-fan nozzles or 2 GPA by air to provide good weed control. See label for GPA instructions for other nozzles and for specific state instructions. When tank mixing with a grass herbicide, use the higher spray volume recommended for those products, usually 10 GPA by ground. • Apply Express herbicide from the two-leaf stage up to but not including bud formation. • Depending on environmental conditions, a second application may be needed 14 or more days after the first application. • Do not apply within 70 days of sunflower harvest.

STEWARDSHIP

It is well-known that domestic sunflowers can outcross readily to wild sunflowers. To preserve the efficacy of the ExpressSun® trait, producers are required to follow specific management practices designed to prevent or delay herbicide resistance in wild species of sunflowers. These practices span crops to promote herbicide resistance management.

- Always grow sunflower hybrids with the ExpressSun trait as part of a multiyear rotation with other crops.
- Use non-ALS/AHAS (non-Group 2) mode of action herbicides in a tank mix with ALS/AHAS herbicides or as sequential treatments in the rotational crop to control wild and volunteer sunflowers.
- Control wild sunflowers in non-crop areas adjacent to ExpressSun trait sunflower fields through the use of non-ALS/AHAS herbicides and/or mowing prior to seed set.
- Use tillage to control emerged wild sunflowers prior to planting hybrids with the ExpressSun trait or by utilizing non-ALS/AHAS burndown herbicides or use ALS/AHAS burndown herbicides in a tank mix with non-ALS/AHAS herbicides to provide control of sunflowers.

As practical, use ALS/AHAS herbicides in a tank mix with non-ALS/AHAS (non-Group 2) mode of action herbicides or use ALS/AHAS herbicides in a sequential program that employs alternate modes of action to control wild and volunteer sunflowers.

WEEDS CONTROLLED

Bushy wallflower (treacle mustard) [†]	Mustard: black, blue/purple, wild [†]
Chamomile: mayweed, wild	Pineappleweed
Chickweed, common [†]	Pigweed: redroot [†] , tumble (0.5 oz.)
Dandelion	Puncture vine
False flax, small seeded [†]	Purslane, common
Flixweed [†]	Shepherd's purse
Lambsquarters: common [†] , slimleaf	Tansy mustard
Lettuce, prickly ^{**†}	Thistle: Canada ^{**} , Russian ^{**†}
Marsh elder [†]	Vetch: common [*] , hairy [*]
Miner's lettuce	

WEEDS PARTIALLY CONTROLLED

Buckwheat, wild*
 Nightshade, hairy*
 Smartweed, Pennsylvania*
 Sowthistle, annual*

[†]Partial control. For better results, use 0.5 oz. Express® herbicide per acre.

^{**}See the Specific Weed Instructions section of the Express herbicide label for more information.

^{*}Naturally occurring resistant biotypes are known to occur.