



Drexel

Defol 5[®] Pre-Harvest Use Guide

Crop	Benefits	Rate Per Acre (A.I./Ac.)	When To Apply	Comments
Chili Peppers	<i>Defol 5</i> is applied 7 to 10 days after Ethephon applications or when 50% of the pods are red to improve harvest efficiency and to improve ASTM color grade.	4 to 10 qts. (6 to 12.5 lbs. a.i.)	Two weeks prior to harvest or when 50% of the pods are red. No PHI	GPA: Apply in 5 to 15 GPA AIR or 20 to 40 GPA GROUND. ADJUVANT: 1% v/v COC/MISO or 0.25% v/v NIS
Corn	<i>Defol 5</i> is applied to Corn to increase harvest efficiency by reducing moisture, improving threshing and harvest speeds allowing for earlier harvest.	4.8 qts. (6 lbs. a.i.)	Five days prior to black layer (3/4 Milk). No PHI	GPA: Apply in 5 to 7 GPA AIR or 10 to 20 GPA GROUND. ADJUVANT: 1% v/v COC/MISO or 0.25% v/v NIS
Cotton	<i>Defol 5</i> can be used both as a desiccant or defoliant, depending on timing and rate of applications. <i>Defol 5</i> is most effective as a "Second shot" in combination with Paraquat, Shark or ET to desiccate young leaves and control regrowth before harvest.	2.4 to 3.6** qts. (3 to 4.5 lbs. a.i.)	Do not tank-mix with Ethephon because this will result in the formation of hypochlorous acids, which upon heating emit toxic chlorine fumes. **Higher use rates when used for desiccation may stick leaves. No PHI	GPA: Apply in 5 to 10 GPA AIR or 10 to 20 GPA GROUND. ADJUVANT: 1% v/v COC/MISO or 0.25% v/v NIS
Dry Beans	<i>Defol 5</i> is often applied to pulse crops to even up ripening, reduce moisture and improve harvest efficiency by improving threshing and increased harvest speeds.	4.8 qts. (6 lbs. a.i.)	Prior to harvest when >80% yellow/ brown pods and <40% green Chickpea leaves or <30% green Lentil leaves. No PHI	GPA: Apply in 5 to 7 GPA AIR or 10 to 20 GPA GROUND. ADJUVANT: 1% v/v COC/MISO or 0.25% v/v NIS
Flax	<i>Defol 5</i> is applied to Flax to even up ripening and improve harvest efficiency by improving threshing and increased harvest speeds.	4.8 qts. (6 lbs. a.i.)	Prior to harvest when 70 to 80% of the bolls are brown. No PHI	GPA: Apply in 5 to 10 GPA AIR or 10 to 20 GPA GROUND. ADJUVANT: 1% v/v COC/MISO or 0.25% v/v NIS
Grain Sorghum	<i>Defol 5</i> is applied to Grain sorghum (Milo) to improve harvest efficiency by reducing moisture of primary and secondary growth (suckers), improve harvest efficiency by increased threshing, increased harvest speeds and earlier harvest.	3.6 to 4.8 qts. (4.5 to 6 lbs. a.i.)	Apply when kernels at the bottom of the seed head reach black layer or physiological maturity. No PHI	GPA: Apply in 4 to 10 GPA AIR or 10 to 20 GPA GROUND. ADJUVANT: 1% v/v COC/MISO or 0.25% v/v NIS
Guar Beans	<i>Defol 5</i> is often applied to pulse crops to even up ripening, reduce moisture, improve harvest efficiency by improving threshing and increased harvest speeds.	4.8 qts. (6 lbs. a.i.)	Prior to harvest when targeted harvestable pods are fully mature. No PHI	GPA: Apply in 5 to 10 GPA AIR or 10 to 20 GPA GROUND. ADJUVANT: 1% v/v COC/MISO or 0.25% v/v NIS
Potatoes	<i>Defol 5</i> can be used both as a vine desiccant and can be combined with other desiccants.	4.8 qts. (6 lbs. a.i.)	Do not apply under conditions of extreme heat during the middle of the day. No PHI	GPA: Apply in 5 to 10 GPA AIR or 10 to 20 GPA GROUND. ADJUVANT: 1% v/v COC/MISO or 0.25% v/v NIS
Rice	<i>Defol 5</i> is applied to Rice even up ripening, reduce moisture and plant matter through harvest equipment, increase harvest speeds and efficiency and to improve milling quality.	3.6 to 4.8 qts. (4.5 to 5 lbs. a.i.)	Apply onto conventional Rice at 25% moisture or 23% moisture for hybrids. No PHI	GPA: Apply in 5 to 10 GPA AIR or 10 to 20 GPA GROUND. ADJUVANT: 1% v/v COC/MISO or 0.25% v/v NIS
Safflower	<i>Defol 5</i> is applied to Safflower to even up ripening and improve harvest efficiency by improving threshing and increased harvest speeds.	4.8 qts. (6 lbs. a.i.)	Apply prior to harvest after physiological maturity. No PHI	GPA: Apply in 5 to 10 GPA AIR or 20 to 30 GPA GROUND. ADJUVANT: 1% v/v COC/MISO or 0.25% v/v NIS.
Southern Pea	<i>Defol 5</i> is applied to Southern peas to terminate vegetative growth (indeterminant varieties), even up ripening, reduce moisture for improved threshing, increase harvest speeds and efficiency.	4.8 qts. (6 lbs. a.i.)	Apply prior to harvest when 75% of the pods have turned color and the Peas in the remaining 25% should be firm. No PHI	GPA: Apply in 5 to 10 GPA AIR or 10 to 20 GPA GROUND. ADJUVANT: 1% v/v COC/MISO or 0.25% v/v NIS
Soybeans	<i>Defol 5</i> is applied to indeterminant Soybean varieties to terminate vegetative growth, even up ripening, reduce moisture for improved threshing, increase harvest speeds and efficiency.	4 to 4.8 qts. (5 to 6 lbs. a.i.)	R 6.5 - All normal pods on four uppermost nodes have pod cavities filled. Leaf senescence begins. Seed at 50% dry matter accumulated. No PHI	GPA: Apply in a minimum of 5 GPA AIR or minimum 10 GPA GROUND. ADJUVANT: 1% v/v COC/MISO or 0.25% v/v NIS
Sunflowers	<i>Defol 5</i> is applied to Sunflower to increase harvest efficiency by reducing moisture, improving threshing and harvest speeds allowing for earlier harvest.	4 to 4.8 qts. (5 to 6 lbs. a.i.)	Apply prior to harvest when at the R9 growth stage when the backside of Sunflower heads yellow and bracts turning brown at the shoulder. Seed moisture content under 35%. PHI - 7 Days	GPA: Apply in 5 to 10 GPA AIR or 20 to 30 GPA GROUND. ADJUVANT: 1% v/v COC/MISO or 0.25% v/v NIS
Wheat	<i>Defol 5</i> is applied to Wheat to improve harvest efficiency by reducing moisture of primary and secondary growth (suckers), increased harvest speeds and earlier harvest.	4.8 qts. (6 lbs. a.i.)	Apply prior to harvest when Wheat is mature. PHI - 3 Days	GPA: Apply in a minimum of 5 GPA AIR or minimum 10 GPA GROUND. ADJUVANT: 1% v/v COC/MISO or 0.25% v/v NIS



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