

STAYPUT™: Deposition utility modifier.

STAYPUT™ is a new utility modifier designed to reduce the likelihood of off-target spray impacts. STAYPUT can assist Vegetation Managers with product placement for bareground, foliar or dormant herbicide applications. STAYPUT ensures spray applications remain within the targeted application zone.

Questions and Answers (Q & A):

1) What is a utility modifier?

An additive that does not directly improve efficacy of a control product, but widens the conditions under which a control product is useful or maintains integrity of the spray diluent.

2) What is the Science behind STAYPUT?

STAYPUT™ (PINOLENE®) is a natural terpene which emulsifies in a water solution and polymerizes upon application to ensure spray materials do not migrate from target plant or soil surfaces. PINOLENE polymer technology has been used since the late 1960s in the USA.

3) Which products are compatible with STAYPUT?

The use of PINOLENE technology with topical and soil applied herbicides is evolving. It is impossible to evaluate every herbicide under all soil types and environmental conditions.

Examples of products that STAYPUT is compatible with include: bromacil, clopyralid, dicamba, diuron, flumioxazin, glyphosate, imazapyr, phenoxy chemistries, picloram, simazine, triclopyr.

4) Does STAYPUT affect uptake into plants?

No. STAYPUT is designed to retard migration from treated plant or soil surfaces. Plant tissue and shoot uptake are not affected by STAYPUT. Experience with PINOLENE demonstrates no negative affects on herbicide applications. The ability of STAYPUT to retain control substances on target and retard their environmental degradation can be expected to positively impact control agents

5) Does STAYPUT create a surface barrier on soil or plants?

The PINOLENE polymer binds to target surfaces to retard off-target migration. The polymer will degrade due to natural environmental conditions.

6) Does it polymerize within the soil layers?

Activity is predominantly in the top soil layers where the polymer retards off-target migration.

7a) Can you rely on STAYPUT for substantial reduction in chemical leaching?

This unfortunately cannot be defined or measured given the range of circumstances created by soil and environmental conditions.

7b) What about liability concerns if leaching does it occur?

STAYPUT is a tool, when used properly it will retard leaching or lateral movement of certain soil applied herbicides. It is however impossible to totally eliminate leaching due to the various soil types, environmental variables and complex herbicide technologies.

Our focus has been to make applications under conditions which are conducive to reliable results. Applicators must use their experience and best management practices to contribute to effective and safe applications.

8) What about applications of residual products on saturated sites, will it control lateral leaching with water present?

This is not a recommended practice. We have not evaluated these applications directly as our focus has been to make applications under standard conditions.

9) Is it flammable?

No. STAYPUT is not flammable or hazardous.

10) Are there any toxicology concerns?

No. Refer to Section 11 – Toxicological Information on the MSDS.

11) Would you need to adjust water volumes when using STAYPUT?

We are not aware of any situations where water volumes had to be adjusted during application. It is more important to deliver the appropriate amount of STAYPUT per hectare.

12) Will this product disrupt spray equipment (sludge up pump, hoses and nozzles)? *Applicators should always follow guidelines with regard to customary spray tank cleaning procedures. We recommend that constant agitation be maintained during application and that tank solutions not be allowed to sit over night or over a period of days. PINOLENE has been successfully used in applications, formulations and equipment for over forty years in the USA.*

Technical Support provided by Engage Agro: 1-866-613-3336.

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