

CASE SUMMARY

Case #2011/1309

Complainant: Coyote Crossing Golf Course
5801 Augusta Blvd.
West Lafayette, IN 47906
765-497-9081

Applicator: Same as above

1. On July 22, 2011, I, Agent Joe Becovitz of the Office of Indiana State Chemist (OISC), performed an investigation at Coyote Crossing Golf Course in response to a claim of injury/damage to non-target trees and shrubs possibly resulting from exposure to the herbicide Imprelis. I observed the following during my on-site investigation:
 - a) Spruce trees on the golf course exhibited twisting and curling of the new growth as well as some defoliation (see Figures 1 thru 4).
2. I photographed the site documenting the symptoms I observed:



Figure 1



Figure 2

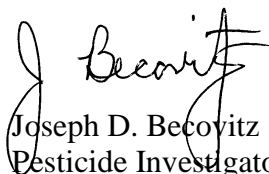


Figure 3



Figure 4

3. I collected the following vegetation samples from visibly impacted non-target vegetation, as described in paragraph #1, for examination by the Plant & Pest Diagnostic Lab (PPDL) at Purdue:
 - a) Spruce
4. The report from the PPDL for the samples submitted indicates, *"There was no evidence of significant mite or insect injury or disease on the spruce sample submitted. The branch sample submitted showed symptoms that are typically found to be associated with injury that can be caused by a synthetic auxinic (growth regulator type) herbicide. Typical symptoms caused by these herbicides can include epinasty (twisting and curving) of the leaves or needles, shoot and shoot tip; dieback of distorted shoot tips; leaf cupping which can be upward or downward, and in extreme cases, new leaves can be irregular in size and shape (usually smaller than normal) and have abnormal leaf margins. If injury results in new shoot dieback in conifers there will be no regrowth this season."*
5. According to the application information collected from the applicator, Imprelis Herbicide (EPA Reg. No. 352-793) was applied on April 6, 2011, at the rate of 3 oz /acre using a boom sprayer.


Joseph D. Becovitz
Pesticide Investigator

Date: September 19, 2011

Disposition: No violation of the Indiana Pesticide Use and Application Law was documented against the pesticide applicator. Effective September 15, 2011, the Indiana registration for Imprelis Herbicide, EPA Reg. #352-793, was cancelled because it was determined by OISC that the product is "misbranded" (it bears label directions that are inadequate to prevent unreasonable adverse effects to non-target vegetation).


George N. Saxton
Compliance Officer

Final Date: October 11, 2011