

## CASE SUMMARY

Case #2011/1230

**Complainant:** Dustin Dixon  
3014 Galena Court  
Cicero, IN 46034  
317-430-0193

**Applicator:** William Lloyd  
Green Scene, Inc.  
P.O. Box 248  
Fortville, IN 46040  
317-326-8888

Registered Technician  
Licensed Business

1. On July 21, 2011, I, Agent Beth Carter of the Office of Indiana State Chemist (OISC) performed an investigation at the complainant's property in response to a claim of injury/damage to non-target trees and shrubs possibly resulting from exposure to the herbicide Imprelis. A Notice of Inspection was issued to Mr. Dixon. I observed the following on approximately twelve spruce trees during my on-site investigation:
  - a) Curling at the top (see figure 1 & 4).
  - b) Browning of needle tips and entire branch (see figure 1, 2, 3, & 5).
  - c) Distorting of needle tips (see figure 3).
  - d) Spiraling of dead areas (see figure 5).
2. I took the following photos depicting injured/damaged vegetation:



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5

3. I collected the following vegetation samples from visibly impacted non-target vegetation as described in paragraph #1 for examination by the Purdue Plant Pest Diagnostic Laboratory (PPDL).
  - a) *Spruce*
4. According to a report from the PPDL, *"There was no evidence of significant mite or insect injury or disease on the sample submitted. The samples submitted show 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 12, 2011, at the rate of .10 oz /1000 square feet using a tank sprayer.



Elizabeth C. Carter  
Pesticide Investigator

Date: August 25, 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: September 19, 2011