

# CASE SUMMARY

Case #2011/1237

**Complainant:** John Kehoe  
2892 Coventry Lane  
Greenwood, IN 46143  
317-828-8188

**Applicator:** Rick Cragen  
Cragen Lawn Care, LLC  
2595 Endress Place  
Greenwood, IN 46143  
317-509-1364

Licensed Applicator  
Licensed Business

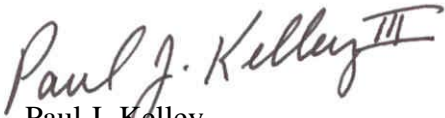
1. On July 27, 2011, I, Agent Jay Kelley of the Office of Indiana State Chemist (OISC) performed an investigation at the complainant's property in response to a claim of injury/damage to non-target trees and shrubs possibly resulting from exposure to the herbicide Imprelis. A Notice of Inspection was issued to John Kehoe. I observed the following during my on-site investigation:
  - a) Tops of trees were curled
  - b) Browning of needles throughout tree.
2. I took the following photos depicting injured/damaged vegetation:



3. I collected the following vegetation samples from visibly impacted non-target vegetation 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 sample (and pictures) submitted show symptoms that are associated with injury caused by synthetic auxin (growth*

*regulator type) herbicides. Typical symptoms caused by these herbicides can include epinasty (twisting and curving) of the leaves or needles, shoot and shoot tip; 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. When injury results in new shoot dieback in conifers there will be no re-growth this season, and with certain species, such as Norway spruce, the entire tree can die*

5. According to the application information collected from the applicator Imprelis Herbicide (EPA Reg. No. 352-793) was applied at the rate of 4.5 oz/acre using hand held ground spray equipment; no application was made to the soil within the drip line of any of the trees or ornamentals; no application was made directly to any exposed roots of any trees or ornamentals.



Paul J. Kelley  
Pesticide Investigator

Date: August 5, 2011

**Disposition:** No violation of the Indiana Pesticide Use and Application Law was documented against the pesticide applicator. On August 12, 2011, a letter was sent to E.I. duPont de Nemours and Company, Inc. proposing cancellation of the registration for Imprelis Herbicide, EPA registration number 352-793, for distributing a pesticide product with label directions that are inadequate to prevent unreasonable adverse effects to non-target vegetation.



George N. Saxton  
Compliance Officer

Final Date: September 13, 2011