

CASE SUMMARY

Case #2011/1102

Site: Meadowbrook HOA
11700 E. 116th Street
Fishers, IN 46037

Applicator:	Scott Mozdian Phil Tapp	Certified Applicator Registered Technician
Business:	Allen & Scott Enterprises 136 Casco Drive Avon, IN 46123	Licensed Business

1. On June 23, 2011, I, Agent Andy Roth of the Office of Indiana State Chemist (OISC), performed an investigation at the above listed subdivision in response to a claim of injury/damage to non-target trees possibly resulting from exposure to Imprelis Herbicide. At the site, I observed numerous well-established Norway spruces in various stages of decline, exhibiting distorted and discolored new growth, tip dieback and needle loss. Some of the Norways had extensive browning and needles loss; blue spruces were less affected.
2. I photographed the site documenting the symptoms I observed:



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5

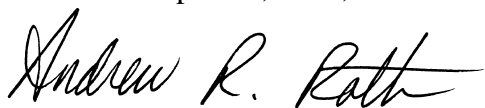


Figure 6

3. I collected plant samples from Norway and blue spruces exhibiting symptoms for submission to the Plant & Pest Diagnostic Lab (PPDL) at Purdue for assessment.
4. Environmental samples were collected for chemical analysis by the OISC Residue Lab. Specifically, I collected Norway spruce foliage and a composite soil sample from the treated turf area.
5. The report from the PPDL for the samples submitted states, *"There was no evidence of significant mites, insects or disease on the samples submitted. The sample submitted exhibits symptoms that are associated with injury caused by a synthetic auxin (growth regulator type) herbicides. Typical symptoms caused by these herbicides can include epinasty (twisting and curving) of the shoot and its 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."*
6. According to the OISC Residue Lab report, the following levels of aminocyclopyrachlor (active ingredient in Imprelis Herbicide) were found in the samples submitted:

a) Norway spruce foliage	276.0 PPB
b) Soil composite from treated turf area	1.3 PPB


PPB=Parts Per Billion
7. According to application information collected from Allen & Scott, Scott Mozdian and Phil Tapp applied Imprelis Herbicide (EPA Reg. No. 352-793) to the common area turf at the site on April 29, 2011, at a rate of 0.1oz /1,000 square feet using ride-on equipment.



Andrew R. Roth
Pesticide Investigator

Date: November 15, 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: November 18, 2011