

CASE SUMMARY

Case #2011/1193

Complainant: Jane Ann McVey
5830 Plum Creek Blvd.
Carmel, IN 46033

Applicator: Justin Cash
Business: Green Scene, Inc.
P.O. Box 248
Fortville, IN 46060
317-326-8888

Certified Applicator
Licensed Business

1. On July 13, 2011, I, Agent Andy Roth of the Office of Indiana State Chemist (OISC), performed an investigation at the above listed address in response to a claim of injury/damage to non-target trees possibly resulting from exposure to Imprelis Herbicide. During my on-site investigation, I observed a spruce at the front corner of the house which exhibited slight distortion at the top. A tulip poplar in the front yard had chlorotic leaves and a river birch at the back of the house exhibited cupped leaves on new growth.
2. I photographed the site documenting the symptoms I observed:



Figure 1



Figure 2

3. I collected plant samples from the tulip poplar and river birch exhibiting symptoms and submitted them to the Plant & Pest Diagnostic Lab (PPDL) at Purdue for assessment.
4. The report from the PPDL for the samples submitted states, “*No infectious disease or insect pest was found to be associated with the cupping and chlorosis observed on the new leaves of the tulip poplar sample submitted. No fungus or insect pest was found to be associated with the twisted petioles and the small, distorted leaves observed on the sample of river birch. A common fungal leaf spot disease, anthracnose was confirmed on*

some of the leaves of the river birch. The cupping of the tulip poplar leaves and the small, distorted terminal growth on the river birch are symptoms that could be 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."

5. According to application information collected from Green Scene, Justin Cash applied Imprelis Herbicide (EPA Reg. No. 352-793) to the property on May 23, 2011, at the rate of 0.1oz /1,000 square feet using hose-end application equipment.



Andrew R. Roth
Pesticide Investigator

Date: October 5, 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 25, 2011