

Allied Biological, Inc.'s 2005 Strategy

Strategic Approach

Allied Biological, Inc.'s focus on restoration of aquatic systems incorporates the goal of reducing pesticide risk through three components; development of better communications with client communities, use of state-of-the-art technology to guide and define pesticide applications, and education and encouragement of integrated management programs to qualify when pesticide applications are appropriate.

Activities for the Coming Year

Activity 1

Through the newsletter, meetings and the company website, encourage the preparation of long-term Lake Management Plans for seasonal lake management client communities.

How does this activity reduce pesticide risk?

By encouraging communities to use Lake Management Plans, participants are better educated on the safety, health and ecological considerations of pesticide applications. Communities are also directed towards activities which could reduce pesticide use in their waterbodies.

How will you measure the risk reduction gained from this activity?

A goal of six management plans completed or in progress (compared to two in 2004) will be considered a successful measure of risk reduction for 2005.

Activity 2

Increase the amount of water quality monitoring associated with pesticide applications.

How does this activity reduce pesticide risk?

Monitoring and assessment of ecological conditions increases focus and response on the root of problems leading to pesticide use. Proactive management usually results in reduced pesticide use. In addition, ecological monitoring during pesticide use reduces the

likelihood of influencing already-stressed aquatic communities, and can help identify appropriate timing for more efficacious applications.

How will you measure the risk reduction gained from this activity?

Success will be measured by the increased monitoring of water temperature prior to pesticide applications, as well as by the increase in monitoring programs supported by clients from 23 in 2004 to 30 in 2005.

Activity 3

Increase the use ratio of chelated copper algaecides to copper sulfate.

How does this activity reduce pesticide risk?

Chelated copper algaecides have been scientifically proven to be less toxic to aquatic macro-invertebrates and zooplankton, and more effective on algae control. This leads to less algae control applications, and less impact to the overall aquatic ecosystem. Chelated copper algaecides are also liquid formulations, which eliminate the dust hazard to applicators from using copper sulfate.

How will you measure the risk reduction gained from this activity?

Risk reduction will be measured by achieving a ratio of 3.0:1, CuSO₄ to chelates, in 2005, down from 3.4:1 in 2004.

Activity 4

Employ GPS technology to define and measure pesticide application sites.

How does this activity reduce pesticide risk?

Accurate measurement of field sites guarantees accurate treatment rates, and reduces product overlapping during the application.

How will you measure the risk reduction gained from this activity?

Success will be measured by achieving a total of 24 applications guided by GPS in 2005.

Activity 5

The availability and use of SOPs will reduce applicator errors when personnel are required to use unfamiliar products or equipment. This increases job safety and reduces risk for both the applicator and the client.

How does this activity reduce pesticide risk?

Prepare Standard Operating Procedures (SOP) manuals for pesticide application equipment and methodologies.

How will you measure the risk reduction gained from this activity?

Success will be achieved by the preparation of SOPs for at least six products, methodologies or equipment in 2005.