

PMP Key Elements

The key elements of the PMP are: ground water assessment and planning, ground water monitoring, prevention actions, and response to ground water contamination.

To determine where potential response measures need to be implemented, ISDA water program staff analyze pesticide monitoring data. Maps have been constructed to plot pesticide detections.

PMP Response Levels

The PMP outlines responses to pesticide detections in the groundwater based on the concentration of detection. Refer to the next page for the breakdown of the detection levels. The following is a summary of potential responses in the PMP:

Level 1: Notification of the well owner and water user of detection; assessment of historical data; applicator education.

Level 2: Establish area of pesticide concern; develop monitoring plan and determine likely sources; encourage voluntary best management practices (BMPs); develop chemical specific PMP; pesticide use inspections.

Level 3: Establish area of pesticide restriction through rule making; additional monitoring and evaluation.

Level 4: Establish area of pesticide prohibition through rule making; evaluate regulatory actions over time.

Idaho Pesticide Detections

The table below lists the pesticides that have been detected in Idaho's ground water since 2001 with a concentration at or above 20% of a reference point.

Chemical Name	Trade Name
1,2-Dichloropropane	Vidden D ¹
1,2,3-Trichloropropane	Telone ² , Verlex, D-D
Atrazine ³	Atrazine
Chlorthal-dimethyl	Dacthal
Diclofop Methyl	Hoelon, Hoe-Grass, Illoxan
Triallate	Far-Go, Buckle

¹Vidden D is a discontinued trade name.

²1,2,3-Trichloropropane is a chemical intermediate in the production of several chemicals, including dichloropropene. The trade names listed are for dichloropropene. There are other non-agricultural products with 1,2,3-Trichloropropane as chemical intermediate.

³Desethyl Atrazine is a breakdown product of Atrazine and has also been detected in the ground water at levels above 20% of the reference point.

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Protecting Ground Water Idaho's Pesticide Management Plan

The Idaho State Department of Agriculture (ISDA) is the lead agency in developing the *Idaho Pesticide Management Plan (PMP) for Ground Water Protection*. ISDA has the authority to implement pesticide programs through a cooperative working agreement with the Environmental Protection Agency (EPA), Idaho state laws and department rules.

The Idaho PMP outlines processes to protect ground water from pesticides.

Idaho State Department of Agriculture



ISDA Pesticide Detections 2001—2003

The maps shown on this page are pesticide detections from monitoring conducted by ISDA. As described in the Idaho PMP, a detection of a pesticide will trigger a variety of actions depending on the compound detected and the concentration.



Detection Levels

The maps are broken into the following detection levels:

Level 1: Detection above the detection limit to less than 20% of Reference Point. Level 1 detections are not shown on the maps due to numerous detections in Idaho.

Level 2: Detection at 20% to less than 50% of Reference Point.

Level 3: Detection at 50% to less than 100% of Reference Point.

Level 4: Detection greater than 100% of Reference Point.

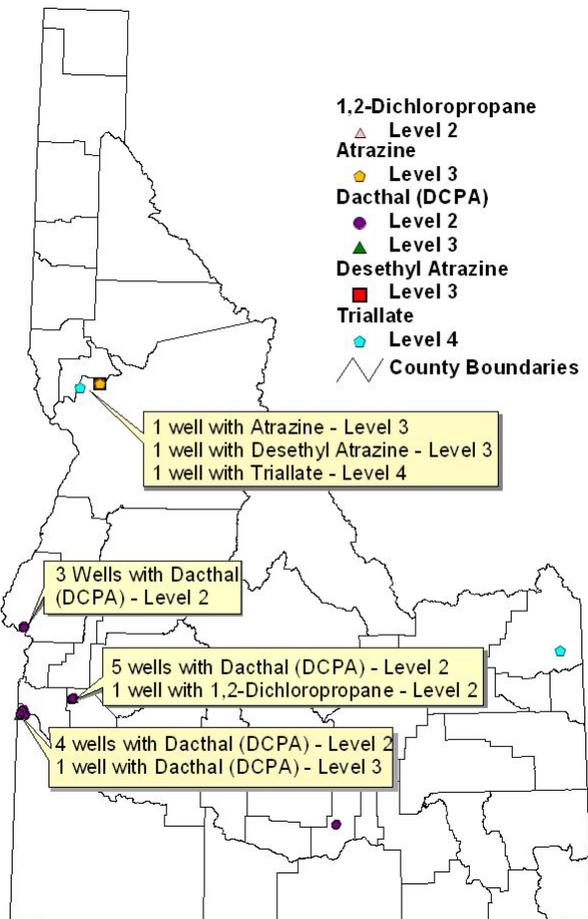
Refer to the “PMP Response Levels” section on the back of this brochure for the corresponding responses to the pesticide detections.

Reference Point

The Reference Point refers to health based concentrations. Idaho has adopted the Environmental Protection Agency’s Maximum Contaminant Levels (MCLs) in the Idaho Ground Water Quality Rule (1997). Where no MCL exists, the ISDA will use EPA Health Advisories Levels first if they exist, and then an EPA Reference Dose (RfD) number.



2001 ISDA Pesticide Detections



2002 ISDA Pesticide Detections



2003 ISDA Pesticide Detections

