

Agricultural Chemical Applications

Ohio farmers use mostly Atrazine and 2, 4-D chemicals in pesticide formulations for the three main crops: corn, soybean and wheat. Per Ohio's Department of Agriculture, Ohio farmers use Atrazine and 2, 4-D in a liquid solution then it is spray applied.

The emission factor of 700 lb/ton for surface application for Atrazine and 2, 4-D is used to estimate the VOC emissions for all pesticides for each crop. The alternative method from the EIIP document is used because Ohio lacked the level of detail needed to calculate emissions for each pesticide formulation.

References:

[Pesticides - Agricultural and Non-Agricultural](#). U. S. Environmental Protection Agency. Emissions Inventory Improvement Program. Eastern Research Group, Volume III. Chapter 9, June 2001.

[Agricultural Chemical Use](#). U. S. Department of Agriculture. National Agricultural Statistics Service.