

Healthy Plants, Healthy People

The Process of Pesticide Approval



A company seeking to register their product in the U.S must provide the U.S. EPA **hundreds of studies and risk assessments** to demonstrate it can be used **safely.**



Thousands of pages of raw data

are reviewed independently by environmental and medical scientists at the U.S. EPA along with the studies and risk assessments to determine the safety of a product before it is registered.



Pesticides go through studies and areas of review before and after they are registered.

These include (but aren't limited to):

Human Health Studies

Risk assessments are performed to see what harm could potentially occur from handling the product. During this time potential risks to human health, including sensitive groups such as children or immune-suppressed individuals, and occupational risks to workers who may handle the product are identified.



Environmental Effects

Includes evaluation and identification of potential risks to wildlife, including endangered species.



Potential effects of the environment, such as non-target plants water contamination, are also taken into consideration.

Product Chemistry

Many components of the product are reviewed, such as the physical and chemical properties as well as the ingredients used to make the product. A complete description of materials used to make the product are also compiled and reviewed.



Spray Drift

Studies are performed to determine a products potential to drift or move off site. Requirements to prevent drift potential include application prohibitions due to wind, mandatory application methods, and nozzle or droplet size requirements.



Product label Review

The instructions on the label of a product has to follow many guidelines. Some of these guidelines include easy-to-understand directions for the user, storage and disposal instructions, and first aid and safety precautions that are clearly stated in case of exposure.



It is violation of **FEDERAL LAW** if a product is not used according to the label.

So When is a Pesticide Considered Registered?

If the U.S. EPA finds that by following the product label the product can be used **SAFELY**, it is licensed or "registered" in the United States.



Pesticides **MUST** undergo a State Registration before they can be sold or used.

Many states, including Hawaii, require additional review for state specific concerns before products can be registered.