

## Chemistry Critical to National Priorities

U.S. chemical producers provide chemistry needed to achieve national priorities, including the manufacturing of computer chips and automobiles, energy development, rebuilding the country's infrastructure, and supporting healthcare and biotechnology. Pro-growth, science-based policies are needed to ensure we can produce more of these critical chemistries here at home and help make America the world's manufacturing superpower. For more information visit: [chemistrycreates.org](http://chemistrycreates.org)

### Case Study: Agriculture

U.S. chemical manufacturers produce materials used in fertilizers, insecticides, pesticides, herbicides helping boost crop production, irrigation tubing and greenhouse panels and walls just to name a few.

**Acrylonitrile:** used in the production of a wide range of chemical products (mainly ABS/SAN resins, acrylic fibers, acrylamide, nitrile rubber, adiponitrile and carbon fibers). Plant and seedling/nursery trays as well as greenhouse tapes (e.g., repair tape, batten tape and vent tapes) can be made from ABS (or polypropylene).

**Ethylene oxide:** utilized to produce a wide variety of active ingredients used in insecticides, pesticides, and herbicides, helping to protect crops and boost crop production.

**Acetaldehyde:** used as an intermediate for pyridine which is used in a variety of agricultural chemicals pesticides, herbicides and herbicides.

**Formaldehyde:** is used in pork and poultry production as well as aquaculture to prevent disease and infection.

**Methylene chloride:** used to produce polycarbonate which is used in greenhouse panels and walls.

**Bisphenol A (BPA):** used to make polycarbonate which is used in greenhouse panels and walls.

**1,3-Butadiene:** used to make polymers that support many agricultural applications, including irrigation systems.

**Vinyl chloride:** used for PVC production. Greenhouse tapes (e.g., repair tape, batten tape and vent tapes), irrigation tubing, hoses and driplines can be made from PVC.