Fertilizer major crop nutrients are nitrogen, phosphorus and potash – all naturally occurring elements in the environment – which are “fed” to plants and crops for healthy and abundant food production. Crops need nutrients to grow and be productive – just like humans.

Fertilizers are resource-based products. Nitrogen fertilizer is produced by capturing nitrogen from the air using a complex chemical reaction. Nitrogen is currently produced in over 78 countries worldwide. The primary raw material for nitrogen production is natural gas, but nitrogen can also be produced from coal, fuel oil and naphtha.

The production of phosphate and potash fertilizers begins at the mine. The manufacture of phosphate rock and sulfur. Phosphate rock reserves have been identified in 32 countries worldwide, but the economic extraction of the rock is limited to fewer countries, as the top three producing countries account for 68 percent of total world production while the top 12 account for 94 percent.

Potash ore reserves have been identified in 21 countries worldwide. Currently, the economic extraction of potash is limited to only 12 countries. Consequently, most countries have to rely on imports to meet demand. Potash is imported by 99 countries worldwide as over 80 percent of world potash production is exported.

The United States is the largest importer of fertilizer in the world, with more than half our nitrogen and over 85 percent of our potash coming from international sources.
Operational U.S. Nitrogen Fertilizer Production Sites

30 Production Companies in 29 States

Alabama
- Drummond Co. Inc. - Tarrant
- El Dorado Chemical Co. - Cherokee
- Sloss Industries Corp. - Birmingham

Arkansas
- El Dorado Chemical Co. - Eldorado

Arizona
- Apache Nitrogen Products, Inc. - Benson, (2-Trains)

California
- Agrium U.S. Inc. - West Sacramento
- Simplot - Helm
- Simplot - Lathrop

Florida
- Trade Mark Nitrogen Corp. - Tampa

Georgia
- DSM Chemicals North America, Inc. - Augusta
- PCS Nitrogen Fertilizer, L.P. - Augusta

Iowa
- Green Valley Chemical Corp. - Creston
- Koch Nitrogen Co. - Fort Dodge
- CF Industries - Port Neill

Idaho
- Simplot - Pocatello

Illinois
- National Steel Company - Granite City
- Rentech Energy Midwest Corp. - East Dubuque

Indiana
- International Steel Group - Burns Harbor
- USX Corporation - Gary

Kansas
- CVR Energy, Inc. - Coffeyville
- Koch Nitrogen Co. - Dodge City

Louisiana
- CF Industries - Donaldsonville (5-Trains)
- PCS Nitrogen Fertilizer, L.P. - Geismar
- The Mosaic Company - Faustina

Maine
- General Alum and Chemicals Corp. - Searsport

Missouri
- Dyno Nobel, Inc. - Louisiana City

Mississippi
- CF Industries - Yazoo City

North Dakota
- Dakota Gasification Co. - Beulah

Nebraska
- Koch Nitrogen Co. - Homestead (Beatrice)

Nevada
- Dyno Nobel, Inc. - Battle Mountain

New York
- International Steel Group - Lackawanna

Ohio
- Agrium U.S. Inc. - North Bend
- PCS Nitrogen Fertilizer, L.P. - Lima
- USX Corporation - Lorain

Oklahoma
- Koch Nitrogen Co. - Enid
- CF Industries - Verdigris
- CF Industries - Woodward

Oregon
- Dyno Nobel, Inc. - St. Helens

Pennsylvania
- Dyno Nobel, Inc. - Donora
- Koppers Industries - Monessen
- Shenango, Inc. - Pittsburgh
- USX Corporation - Fairless

Texas
- Agrium U.S. Inc. - Borger
- BASF Corporation - Freeport
- Martin Resources - Plainview

Utah
- Orica USA, Inc. - Geneva

Virginia
- Honeywell International Inc. - Hopewell

Washington
- Agrium U.S. Inc. - Kennewick

West Virginia
- Sharon Steel Corp. - Fairmount
- Mountain State Carbon LLC - Follansbee

Wyoming
- Dyno Nobel, Inc. - Cheyenne
Operational U.S. Phosphatic Fertilizer Production Sites

11 Production Companies in 14 States

Florida
- CF Industries - Plant City
- CF Industries - South Pasture Mine
- PCS Phosphate Company, Inc. - White Springs
- The Mosaic Company - Bartow
- The Mosaic Company - Four Corners
- The Mosaic Company - Hooker’s Prairie
- The Mosaic Company - Hopewell
- The Mosaic Company - New Wales
- The Mosaic Company - South Fort Meade
- The Mosaic Company - Tampa
- The Mosaic Company - Wingate Creek

Georgia
- Agrium U.S. Inc. - Americus
- Monsanto Company - Augusta

Idaho
- Agrium U.S. Inc. - Conda
- Agrium U.S. Inc. - Dry Valley
- Simplot - Caribou County

Kansas
- FMC Corporation - Lawrence

Louisiana
- Innophos - Geismar
- PCS Nitrogen Fertilizer, L.P. - Geismar
- The Mosaic Company - Faustina
- The Mosaic Company - Uncle Sam

Michigan
- Monsanto Company - Trenton

Missouri
- Monsanto Company - Carondelet

Mississippi
- Mississippi Phosphates - Pascagoula

North Carolina
- PCS Phosphate Company, Inc. - Aurora

New York
- FMC Corporation - Carteret

Tennessee
- Bain Capital - Nashville

Texas
- Agrífris Fertilizer Inc. - Pasadena

Utah
- Simplot - Vernal

Wyoming
- Simplot - Rock Springs
1. Fertilizers are drawn from nature – they are not man-made.

2. Farmers are not adding fertilizers to the ground. They are replacing nutrients that are lost at each harvest.

3. The world has no choice but to use fertilizers. Without them, more than two billion people would starve.

4. By helping to conserve land, fertilizers safeguard recreational land and wildlife habitats.

5. Farmers care about the environment as much as anyone.