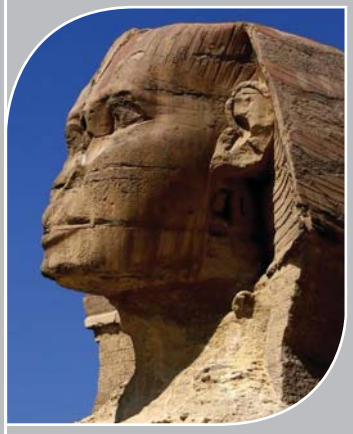
Agrium®

Agrium's Fertilizer Industry

2010-2011 Fact Book



STRENGTH THROUGH **GROWTH** AND **DIVERSITY**

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2010-2011 Agrium Fact Book

Agrium History & Overview

Profile

(all figures in US$, except where noted)

Agrium is a major retail supplier of agricultural products and services in North and South America and a leading global producer and marketer of agricultural nutrients and industrial products. We produce and market three primary groups of nutrients: nitrogen, phosphate and potash as well as controlled-release fertilizers and micronutrients. A key differentiator of Agrium is that we are the only publicly traded company that crosses the entire agricultural value chain. This means that our focus on growth begins in our manufacturing facilities and extends to the fields where our customers use our products. Sales from our diverse portfolio of products and services generated $9.1-billion in revenues in 2009. Agrium has 158 million shares outstanding and a market capitalization of over $11-billion (as of September 1, 2010). Agrium employs over 10,000 people globally who are dedicated to the ongoing transformation of the Company to achieve our vision of being one of the world's leading providers of inputs for plant growth by creating value for each of our stakeholders.

Agrium divides the Company into **three** strategic business units:

Our agricultural **Retail** division is the largest direct-to-grower agricultural retail operation in the Americas, and generated $6.2-billion in net sales in 2009, primarily from seed, crop protection and crop nutrient products. We have raised the scale and size of our North American and South American retail operations by adding retail centers in Texas and New Mexico in late 2009, Western Canada throughout 2009 and 2010 and Argentina in July 2010. As of December 2010, Agrium has a total of 944 retail locations in North America and South America.

Our **Wholesale** division manufactures, markets and distributes over eight million tonnes of nitrogen, potash, phosphates, and other products annually. We service our customers through a network of close to 100 distribution warehouses, supplied by 14 major production facilities in addition to a number of smaller processing and specialty facilities. Our strengths include a low cost in-market position, the ability to leverage distribution, focus on continued incremental expansion at key facilities and growth in new product sales and product offerings.

Agrium Advanced Technologies (AAT) offers premium environmentally beneficial controlled-release fertilizer and related products to the agriculture industry as well as professional turf, horticulture and consumer lawn and garden markets. AAT has a strong focus on product innovation. Internal research is conducted at two research facilities; one in the United States and the other in Canada. Agronomic research is conducted externally at agricultural institutions across North America.

Agrium's Mission

Providing ingredients for growth.

Agrium's Vision

Be one of the world's leading providers of inputs for plant growth by creating value for each of our stakeholders.

Agrium Timeline 1931-1989

1931	1965	1968	1969	1977	1987
Cominco Fertilizers Ltd. enters the fertilizer business.	Homestead (Nebraska) Nitrogen Operations begins production.	Borger (Texas) Nitrogen Operations begins production.	Vanscoy (Saskatchewan) Potash Operations begins production.	Carseland (Alberta) Nitrogen Operations begins production.	Joffre (Alberta) Nitrogen Operations begins production.

History

Agrium was formed to facilitate the reorganization of the fertilizer division of Cominco Ltd. and the acquisition of the fertilizer assets of Alberta Energy Company in 1993. Agrium's shares were first publicly traded on the New York Stock Exchange on October 4th, 1996.

Agrium established its Retail division through the acquisitions of Crop Production Services (CPS) in September 1994 and Western Farm Service (WFS) in January 1995. Also in 1995, Agrium established an international presence in Argentina under the trade name Agroservicios Pampeanos S.A. (ASP). In 2006, Agrium continued to build its Retail franchise through the acquisition of Royster-Clark's retail operations. Retail expansion continued in 2007 with the acquisition of ADM's 18 retail centers and 14 satellites in Kansas and Oklahoma. In 2008, Agrium completed the acquisition of United Agri Products (UAP), the Company's largest acquisition to date. This was a transforming transaction for Agrium, as the acquisition further expanded our retail presence in the United States, improved our earnings diversification by increasing the profit contribution from our Retail business unit and diversified Agrium's product mix by increasing our weight in chemicals. Upon completion of the acquisition of UAP, Agrium's retail branches in the United States increased from 489 locations to 826. Agrium continued its Retail division growth with the establishment of 65 retail outlets in Western Canada through a number of transactions in 2009 and 2010, and the acquisition of 24 retail outlets in Argentina in July 2010.

The growth of Agrium's Wholesale business was initiated with the acquisition of Nu-West Industries, a phosphate producer in Idaho in 1995. Agrium subsequently merged with Viridian in December 1996, substantially increasing the size of the company. In 1997, Agrium announced the development of the phosphate rock reserve at Kapuskasing, Ontario to obtain a domestic rock supply for the Redwater facility. Production at the mine began in July 1999. In 1998, Agrium also acquired a phosphate rock mine located close to our Conda facility in Idaho to establish security of supply. Agrium acquired UNOCAL's (Union Oil of California) agricultural products division in September of 2000.

In 2000, Agrium expanded into the Argentina market with a 50 percent ownership in Profertil S.A. with production in Bahia Blanca, Argentina. In 2005, Agrium acquired the Western Canadian fertilizer distribution assets from Imperial Oil.

Agrium Timeline 1990-2000

1993
Cominco Fertilizers Ltd. enters the public market.

1994
Crop Production Services (CPS) acquired.

1995
Nu-West Industries Inc. and Western Farm Service (WFS) acquired.

Cominco Fertilizers Ltd. changes its name to Agrium Inc.

Agrium establishes its international presence under the trade name Agroservicios Pampeanos (ASP).

1996
Agrium is publicly traded on the New York Stock Exchange.

Viridian Inc. acquired. Redwater (Alberta) Fertilizer Operations (commenced operations 1968) and Fort Saskatchewan (Alberta) Nitrogen Operations (commenced operations 1983).

1998
Rasmussen Ridge (Idaho) Phosphate Mine acquired.

1999
Kapuskasing (Ontario) Phosphate Mine begins production.

2000
UNOCAL agricultural products division acquired.

Profertil S.A. begins production in Bahia Blanca, Argentina.

History

In 2008, Agrium acquired a 70 percent equity position in Common Market Fertilizers S.A. (CMF), one of Western Europe's largest fertilizer distribution companies; in April 2010 the remaining 30 percent was also acquired and CMF became Agrium Europe.

In 2008, Agrium entered into an agreement with MISR Oil Processing Company, S.A.E. (MOPCO) of Egypt, whereby MOPCO acquired the previous EAgrium project, and EAgrium shareholders obtained an equity interest in the combined entity. Agrium owns a 26 percent interest in the combined entity, which includes a 675,000 tonne urea MOPCO facility. In late 2009, MOPCO secured financing for tripling the production of the existing nitrogen facility.

Agrium's Advanced Technologies business unit was established with the acquisition of Nu-Gro's fertilizer technology and professional businesses and Pursell Technologies in 2006. In 2007, Agrium acquired a 19.5 percent equity interest in Hanfeng Evergreen, a Chinese specialty fertilizer company. With this addition, Agrium reaffirmed its leading position to provide environmentally friendly, controlled-release crop input products to a broad range of customers and segments. Further expansion occurred in 2008 with the acquisition of the Agronomics Division of Turf Care Products Canada Limited. In 2010, AAT completed their construction of ESN coating fertilizer facility located in New Madrid, Missouri.

Today, Agrium is a major retailer, a leading wholesale producer, and an innovator through our Advanced Technologies business unit fully diversifying ourselves across the value chain. As we enter 2011, Agrium will continue to focus on achieving our mission and vision by continuing to execute against our strategic goals of investing through the value chain, establishing and maintaining the lowest cost to serve wholesale position, diversifying geographically, and investing counter-cyclically.

Agrium Timeline 2001-present

2004
Astaris Production LLC assets (Nu-West's Conda, ID phosphate operation) acquired.

2005
Western Canadian fertilizer distribution assets from Imperial Oil acquired.

18 retail outlets in Argentina and Chile from United Agri Products acquired.

2006
Royster-Clark acquired.

Nu-Gro fertilizer technology and professional products businesses acquired.

Pursell Technologies acquired.

2007
19.5 percent equity stake in Hanfeng Evergreen acquired.

ADM's 18 retail centers and 14 satellites in Kansas and Oklahoma acquired.

2008
United Agri Products (UAP), acquired.

70 percent equity position in Common Market Fertilizers S.A. (CMF) acquired.

Agrium opened an office in Beijing, China.

Agronomics Division of Turf Care Products Canada Limited acquired.

2009
Agrium Retail consolidates all United States operations under the name Crop Production Services (CPS).

Agrium Retail expands operations into Canada under the name Crop Production Services (CPS) Canada.

26 percent shareholding, in MOPCO (Egypt) obtained.

2010
Additional 30 percent equity position in Common Market Fertilizers S.A. (CMF) acquired; name changed to Agrium Europe.

ASP acquires 24 additional retail outlets in Argentina.

Agrium acquires AWB Limited and enters the Asia-Pacific Market.

Production Facilities and Annual Production Capacities

Production Capacity
(product tonnes per year)

Nitrogen Based Fertilizers

Argentina

Bahia Blanca (Profertil S.A.)[1]	
Ammonia (gross)	375,000
Ammonia (net)	35,000
Urea	600,000

Canada

Redwater, Alberta	
Ammonia #1	280,000
Ammonia #2	680,000
Ammonia Total (gross)	960,000
Ammonia Total (net)	250,000
Urea[2]	720,000
Ammonium Nitrate[2]	215,000
Ammonium Sulphate	350,000
Nitrogen Solutions	180,000
Carseland, Alberta	
Ammonia (gross)	535,000
Ammonia (net)	135,000
Urea	680,000
Joffre, Alberta	
Ammonia (net)	480,000
Fort Saskatchewan, Alberta	
Ammonia (gross)	465,000
Ammonia (net)	170,000
Urea	430,000

Upgrade Facilities[3]

(Standard and Granum)	
Nitrogen Solutions (material)	120,000

Production Capacity
(product tonnes per year)

Nitrogen Based Fertilizers

Egypt

Ammonia (gross)	101,000
Ammonia (net)	20,500
Urea[4][5]	175,000

United States

Borger, Texas	
Ammonia (gross)	490,000
Ammonia (net)	430,000
Urea	99,000

Upgrade Facilities[3]

Kennewick, Washington	
Nitrogen Solutions (material)	430,000
West Sacramento, California	
Nitrogen Solutions (material)	204,000
North Bend, Ohio	
Nitric Acid, Nitrogen Solutions (material)	110,000

Agrium's World Capacity
(product tonnes per year)

Ammonia (gross)[5]	3,406,000
Ammonia (net)[5]	1,520,500
Urea[5]	2,704,000
Ammonium Nitrate	215,000
Ammonium Sulphate	350,000
Solutions/Other	1,209,000
MAP	960,000
Potash	2,050,000

(1) Profertil S.A. is 50 percent owned by Agrium Inc. and 50 percent owned by Repsol YPF, S.A. The stated capacity numbers represent Agrium's 50 percent ownership.
(2) Includes product used to produce nitrogen solutions.
(3) Upgrade Facilities use ammonia and urea from other sources. They do not purchase natural gas to produce their own ammonia and urea.
(4) Projected urea capacity will be 525,000 by mid 2012, based on 26 percent ownership position in MOPCO.
(5) Only includes the 50 percent of Profertil's capacity and 26 percent of MOPCO that are owned by Agrium Inc.

Note: Figures exclude idle capacity.

Production Facilities and Annual Production Capacities

Production Capacity
(product tonnes per year)

Phosphate Based Fertilizers

Canada

Redwater, Alberta	
Mono-Ammonium Phosphate	660,000
P_2O_5 Equivalent	345,000
Kapuskasing, Ontario	
Average Concentrated Rock is 35% P_2O_5	
Concentrated Rock Mined Annually	0.91 Million Tonnes

United States

Soda Springs (Conda), Idaho	
Mono-Ammonium Phosphate	300,000
Phosphates P_2O_5 Equivalent	345,000
Dry Valley, Idaho	
Average Concentrated Rock is 31% P_2O_5	
Ore Mined Annually	2.0 Million Tonnes
Concentrated Rock Produced Annually	1.3 Million Tonnes
Other Product Capacity[1]	165,000
Total Canada and United States (P_2O_5)	720,000

Potash Based Fertilizers

Canada

Vanscoy, Saskatchewan	
Potash KCl (MOP)	2,050,000

Production Capacity
(product tonnes per year)

Rainbow Plant Capacities[2]

United States

Florence, Alabama	76,600
Americus, Georgia	110,000
Hartsville, South Carolina	78,400
Total Rainbow	265,000

Agrium's Approximate Share of 2009/10 North America Production Capacity[3]

Ammonia (gross)	20.7%
Urea	24.8%
Phosphate	6.9%
Potash	5.8%

Agrium's Approximate Share of 2009/10 Global Production Capacity[4]

Ammonia (gross)	1.9%
Urea	1.6%
Phosphate	1.5%
Potash	2.4%

(1) Conda also produces other phosphate products such as merchant grade acid and super phosphoric acid.
(2) Includes over 30 different ammoniated grades of fertilizer.
(3) North America refers to Canada and the United States, and Agrium's approximate share estimate is based on the International Fertilizer Development Center's (IFDC) June 2010 Canada and United States production capacity figures. Urea capacity includes urea solution capacity.
(4) Based on Worldwide Ammonia Capacity, Listing by Plant, June 2010.
IFDC Worldwide Phosphoric Acid Capacity, Listing by Plant, June 2010.
IFDC Worldwide Potash Capacity, Listing by Plant, June 2010.
IFDC Worldwide Urea Capacity, Listing by Plant, June 2010.

North America

Agrium Retail: Best in Class

Our Retail division is the largest direct-to-grower agricultural retail operation in North America and generated over $6.2-billion in net sales in FY2009, primarily from seed, crop protection and fertilizer products. Agrium operates a network of 826 retail centers in the United States. Agrium's Retail operations offer farmers a complete range of seed, liquid and dry fertilizer products, along with primary crop protection services including herbicides, insecticides, fungicides and various related services.

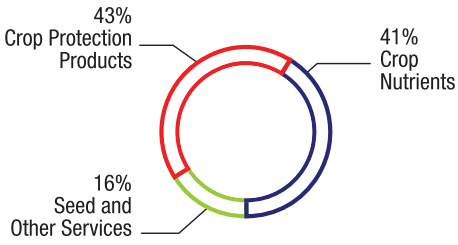
Agrium Retail Products

(for fiscal year 2009)

Crop Nutrients

- Net sales of over $2.5-billion.
- Gross profit of $212-million.
- Purchasing advantages from our economies of scale.
- Our integrated fertilizer services provide customers with expert advice and application services.

2009 Net Sales



Crop Protection Products

- Net sales of $2.6-billion.
- Gross profit of $648-million.
- Purchasing advantages from our economies of scale.

Seed and Other Services

- Seed and Other Services net sales totalled $1.0-billion.
- Gross profit of $322-million.
- Seed and Other Services sales increased by 47 percent from previous year.
- Rapidly growing seed and private label seed businesses.
- Full service customer appreciation.

Crop Production Services (CPS)[1]

(November, 2010)

	United States	Canada
Farm Centers/Branches	578	58
Satellites	199	-
Terminals	36	-
Distribution Centers	10	7
Plants	3	-
Total	**826**	**65**

In FY2009, Agrium's Retail operations in the United States, Crop Production Services (CPS), generated net sales over $6.2 billion in 2009. In May 2008, Agrium completed the acquisition of United Agri Products (UAP); increasing Agrium's retail presence in the United States to 826 total locations. The acquisition of UAP expands Agrium Retail's reach into new markets in the United States and repositions Retail's product mix allowing us to more efficiently and effectively serve our customers. Agrium's Retail branches are staffed with trained, professional employees committed to providing their growers with sound agronomic advice, seed that is selected from the best germ plasm pools in the world, and other crop inputs.

Over the past two years Agrium has established and grown a presence in the Canadian retail market. CPS Canada is Retail's 46th division with 65 locations principally in Alberta and Saskatchewan.

(1) Please note a listing of Agrium's South American Retail assets is on page 49.

Crop Production Services (CPS)

(November, 2010)

a

Alabama
(12 locations)
Ashford
Atmore
Auburn
Dothan
Headland*
Kinston
Madison
Robertsdale
Selma
Selma Fertilizer*
Slocomb*
Summerdale*

Arizona
(5 locations)
Chandler
Coolidge
Poston
Tucson
Yuma

Arkansas
(25 locations)
Almyra*
Altheimer
Barton*
Blytheville
Blytheville* (2 locations)
Clarendon
Crawfordsville
Des Arc*
Gillette*
Grady
Hazen* (3 locations)
Lepanto
Marianna
McGehee*
Monette*
Monticello
Paragould*
Portland
Stuttgart* (2 locations)
Winchester*
Wynne

c

California
(47 locations)
Bakersfield (2 locations)
Button Willow*
Coachella
Cutler*

c

California
continued
Delano
Dos Palos*
Fillmore*
Firebaugh (2 locations)
Five Points
Fresno
Goleta
Greenfield
Hanford
Hollister
Huron*
Imperial
Lemoore
Madera
Merced
Mettler
Modesto (2 locations)
Newman*
Oxnard
Oxnard*
Pixley*
Paso Robles
Riverside
Sacramento
Salinas
San Jacinto*
San Marcos
Santa Ana
Santa Maria*
Santa Maria (2 locations)
Sebastopol
Stockton*
Tipton (Pixely)*
Ukiah
Vernalis
Visalia
Walnut Grove (2 locations)
Watsonville (2 locations)
Yuba City

Colorado
(3 locations)
Fort Morgan
Greeley
Greeley P

Connecticut
(1 location)
Broad Brook

d

Delaware
(4 locations)
Milford
Seaford
Seaford DC
Smyrna*

f

Florida
(11 locations)
Boynton Beach*
Ft Pierce
Hastings
Homestead
Immokalee
Jay
LeHigh Acres
Mulberry
Parrish
Wauchula
Waverly

g

Georgia
(20 locations)
Americus
Arlington
Colquitt
Doerun
Donalsonville
Ft. Valley*
Fort Valley
Greensboro
Jesup
Leesburg**
Meigs
Millen
Moultrie
Moultrie*
Oglethorpe*
Swainsboro
Swainsboro*
Swainsboro**
Sylvester
Vienna*

h

Hawaii
(4 locations)
Hilo
Kahului
Lihue
Pearl City

i

Idaho
(17 locations)
Bancroft
Blackfoot
Bruneau*
Buhl
Burley
Caldwell
Caldwell
Glenns Ferry
Hansen
Idaho Falls
Kimberly
Parma
Paul Terminal**
Pleasant Valley
Roberts
Rupert Terminal**
Wendell

Illinois
(67 locations)
Alexis*
Amboy
Atlanta DC
Baileyville
Beldon
Biggsville (Stronghurst)
Blandinsville
Browns
Buffalo Prairie*
Camp Point*
Carlyle
Catlin
Cissna Park
Clay City
Columbus*
Danville
Dixon
Douglas*
Dwight
Edgewood
Fairbury
Ferris
Flora
Greenfield

* Satellites
** Terminals
DC Distribution Center
P Plants

Crop Production Services (CPS)

(November, 2010)

i

Illinois

continued

Greenview
Harvel*
Hoopeston
Iuka
Jacksonville
Keithsburg*
Lanark
Louisville*
Marissa
Melvin
Metcalf
Morrisonville
Mt Carmel*
Mt Erie
Mt. Sterling
Neoga
New Baden
New Boston
Niota**
Nokomis
Oakland
Olive Branch*
Onarga
Oneida
Paris
Paxton
Pontiac
Quincy
Quincy**
Raleigh Warehouse
Richmond
Ruma*
Saunemin
Sciota*
Shabbona*
Shawneetown
Sheldon
Sidney
Steeleville
Steward
Strawn
Viola
Walsh*
Wenona
White Hall

Indiana

(49 locations)

Amboy
Arcadia
Attica
Boonville
Boston*

i

Indiana

continued

Brimfield
Brookville
Chalmers
Charlottesville
Clarks Hill
College Corner
Dana
Decker
Delphi
Deputy*
Fairmount*
Fairmount
Franklin
Fulton
Greensburg
Hatfield
Homer
Jasper
Lafayette
Lebanon (2 locations)
Liberty**
Monon**
Mooresville
Oaktown*
Odon*
Otwell
Patoka
Peru
Poseyville
Princeton
Roachdale**
Rushville
Scottsburg
Selma*
Shelburn
Straughn
Switz City
Terre Haute DC
W. Lebanon
Warren
Washington
Wheatland*
Williamaburg

Iowa

(42 locations)

Atalissa
Battle Creek
Boone
Brayton*
Breda
Coin*
Corning

i

Iowa

continued

Creston
Danbury
Dyersville
Earlville*
Edgewood
Garnavillo
Gibson
Hancock
Holy Cross*
Hopkinton
Hutchins**
Ida Grove
Independence*
Irvington
Keswick
Lowden*
Luverne
Manchester*
Mediapolis
Mingo
Monticello
Nevada*
North English*
Odebolt
Ogden*
Oskaloosa
Preston
Reinbeck
Sac City*
Union*
Wall Lake
Whiting
Winthrop
Worthington
Wyoming

k

Kansas

(41 locations)

Beloit
Belpre
Burrton*
Cimarron
Clay Center
Collyer*
Copeland (2 locations)
Courtland*
Galva*
Garden City DC
Garden City
Gaylord*
Goddard

k

Kansas

continued

Goodland (2 locations)
Goodland (East)*
Grainfield*
Hill City
Hoxie
Hunter
Jetmore
Kinsley
Leoti
Little River*
Lyons*
Mahaska
Montezuma*
Morganville*
Oakley
Oberlin
Plains
Pratt*
Republic
Scott City
Scott City**
Smith Center
Sublette*
Wakeeney
Waterville

Kentucky

(37 locations)

Aldenville
Cadiz
Calhoun
Campbellsville
Clarkson
Clay
Cynthiana
Elkton
Erkon
Fancy Farm
Felty
Franklin
Glendale
Hardin
Henderson
Hodgenville
Horse Cave
Lebanon
Lexington
Madisonville
Mayfield
Morganfield
Murray**
Ownesboro (2 locations)
Pembroke

* Satellites
** Terminals
DC Distribution Center
P Plants

Crop Production Services (CPS)

(November, 2010)

k

Kentucky
continued
Poole
Russellville (2 locations)
Sacramento
Schochoh
Sedalia
Shelbyville
Slaughters*
Upton
Utica
Waverly

l

Louisiana
(19 locations)
Bonita*
Boyce
Bunkie*
Delhi
Elton
Jonesville*
Lake Providence
Loreauville*
Mer Rouge
New Roads
New Roads* (2 locations)
Opelousas*
Tallulah
Thibodaux
Vick*
Ville Platte*
Whiteville*
Wisner

m

Maine
(2 locations)
Lewiston
Mapleton

Maryland
(8 locations)
Boonsboro*
Centreville
Denton
East New Market
Girdletree DC
Massey*
Pocomoke City
Worton

m

Massachusetts
(2 location)
Sterling
South Deerfield

Michigan
(27 locations)
Ann Arbor*
Bear Lake
Benton Harbor
Blissfield*
Blissfield**
Blissfield
Breckenridge
Brown City
Henderson
Linwood
Melvin
Mendon
Morenci
Munger
Nottawa
Owendale
Pinconning*
Saginaw Terminal**
Saline
Sandusky
Sparta
St Johns
Sunfield** DC
Sunfield
Ubly
Woodbury

Minnesota
(22 locations)
Ada
Big Lake
Crookston
Dassel
East Chain (Fairmont)
Hallock
Hallock*
Harmony
Kerkhoven
Lakefield
Mansfield (Alden)
Middle River*
Mora
Perham
Pipestone
Plainview
Red Lake Falls
Sargeant
Sauk Centre

m

Minnesota
continued
Slayton
Wadena
Withrop

Mississippi
(21 locations)
Anquilla*
Batesville
Benoit*
Benton*
Bolton*
Boyle
Clarksdale
Greenville P
Greenwood
Grenada*
Hollandale*
Holly Bluff
Holly Springs*
Houston
Indianola*
Leland
Macon*
New Albany*
Rolling Fork
Rolling Fork**
Tunica

Missouri
(22 locations)
Bowling Green
Bowling Green
Cardwell*
Cardwell
Caruthersville**
Clarence
Cooter
Essex*
Harrisonville
Hornersville*
LaPlata
Malden*
Marston**
Palmyra
Paris
Perry
Portageville
Saint Louis*
Senath
Sikeston
Westboro
White Oak*

m

Montana
(8 locations)
Belgrade
Billings
Billings P
Chinook
Fairview
Gildford*
Glasgow
Great Falls

n

Nebraska
(12 locations)
Ashland*
Beatrice
Beemer
Bridgeport
Chester
Imperial
Johnson
Kearney
Laurel
McCook
South Sioux City
Thurston

Nevada
(2 locations)
Henderson
Reno

New Jersey
(2 locations)
Jutland
Malaga

New Mexico
(8 locations)
Artesia*
Artesia (2 locations)
Del City
Hatch*
Vado
Vado*
Socorro

New York
(10 locations)
Amenia
Avon
Cohocton
Fancher
Florida

* Satellites
** Terminals
DC Distribution Center
P Plants

Crop Production Services (CPS)

(November, 2010)

n

New York
continued
Milton
Mt. Morris*
Nelliston*
Oswego**
Sodus

North Carolina
(49 locations)
Albermarle (Millingport)
Albertson
Bailey
Belgrade
Belhaven
Brown Summitt
Bunn
Clinton*
Clinton
Conway
Creswell
Dunn*
Elizabeth City
Enfield
Erwin
Fairfield
Fairmont*
Faro/Fremont*
Four Oaks
Greenville
Hendersonville
Hertford*
Jefferson
Laurinburg
Lumberton*
Lumberton
Monroe (2 locations)
Nashville
Norwood*
Norwood
Pantego*
Princeton
Red Springs*
Rocky Mount
Salemburg
Sanford
Shawboro
Shelby
Snow Hill*
Snow Hill
Statesville (Harmony)
Sophia
Tarboro DC
Trenton
Vanceboro*

n

North Carolina
continued
Washington
Wilson**
Wilson
Yadkinville

North Dakota
(18 locations)
Bismarck
Bowman
Dickinson
Drayton
Grace City
Grafton
Grand Forks
Grand Forks DC
Hatton
Hillsboro
Jamestown
Jamestown*
Langdon
Mapleton
Minot
Valley City*
Wahpeton
Williston

o

Ohio
(37 locations)
Ansonia
Attica**
Bainbridge
Bellevue*
Botkins
Bradford
Delphos
Dunkirk
Eaton
Eaton*
Edison
Findlay
Frankfort
Greenville**
Greenville
Hamler
Holgate*
Jeffersonville
Kirkwood
Kirkwood**
Leipsic
Lockborne
Midland

o

Ohio
continued
Milford Center*
Mount Sterling DC
Mowrystown
Mt. Sterling**
Ottawa
Ottawa**
Ottoville*
Polk
Sabina
Sullivan*
Thurston
Urbana*
Washington C.H.**
West Jefferson

Oklahoma
(8 locations)
Altus**
Altus
Clinton
Guymon*
Hooker
Tyrone*
Webbers Falls
Yukon*

Oregon
(12 locations)
Athena
Baker City*
Carlton*
Gresham
Hillsboro
Hopmere
LaGrande
North Powder*
Rickreall
Salem
Sheridan (Ballston/ Rickreall)*
Umatilla*

p

Pennsylvania
(6 locations)
Belleville*
Biglerville
Bloomsburg
Chamersburg*
Holtwood
Tyrone

s

South Carolina
(11 locations)
Aynor
Bishopville
Cope*
Darlington DC
Hemingway
Kingstree*
Lake City
Orangeburg
Orangeburg**
Starr
Vance*

South Dakota
(3 locations)
Spearfish
Northville
Watertown

t

Tennessee
(18 locations)
Bells
Brownsville
Brownsville*
Clarksville
Covington*
Covington
Ethridge
Friendship*
Huntingdon
Manchester
Milan
Palmersville*
Portland
Puryear*
Springfield*
Union City DC
Union City**
Wynnburg

Texas
(64 locations)
Ballinger*
Big Spring
Blessing * (2 locations)
Brownfield
Caldwell (2 locations)
Cotton Center
De Leon*
Denver City
Dodson
Dumas

* Satellites
** Terminals
DC Distribution Center
P Plants

Crop Production Services (CPS)

(November, 2010)

t

Texas
continued
Edinburg*
Edna
El Campo
Floydada
Gatesville*
Harlingen* (2 locations)
Hearne*
Hereford*
Hereford
Hewitt**
Hillsboro
Holland
Houston
Knott
Knox City
Knox City*
Lamea*
Lamesa
Lampasas
Lockhart
McGregor
Moody
New Braunfels
Palmer
Paris
Pittsburg
Plains
Plainview
Pleasanton*
Premont*
Robstown*

t

Texas
continued
Roscoe
Rosebud
San Antonio*
Santa Rosa
Schwertner
Seagraves (2 locations)
Seminole
Slaton*
Slaton
Stamford
Taft*
Taft
Taylor*
Taylor (2 locations)
Victoria**
Waco**
West
Wharton

u

Utah
(1 location)
Tremonton*

v

Vermont
(1 location)
Addison

v

Virginia
(18 locations)
Abingdon
Chase City
Colonial Heights
Crystal Hill
Eastville*
Haynesville
Heathsville*
Hopewell
Ivor
Melfa
Milford*
Mt. Holly*
Prince George**
Red House
Sealston
South Hill
St. Stephens Church
Winchester
Wylliesburg

w

Washington
(24 locations)
Almira*
Auburn
Connell
Coulee City
Davenport
Endicott
Harrington

w

Washington
continued
Mansfield*
Moses Lake
Othello
Pasco (2 locations)
Plymouth
Prescott*
Plymouth**
Plymouth
Pomeroy
Quincy
Reardan
Rosalia
St. John
Toppenish
Waitsburg*
Walla Walla
Waterville

Wisconsin
(6 locations)
DeForest
Galesville
Janesville
Plainsfield* (2 locations)
Plainfield

* Satellites
** Terminals
DC Distribution Center
P Plants

Crop Production Services (CPS) Canada[1]

(November, 2010)

a

Alberta

(29 locations)

Bentley
Bow Island
Calgary DC
Camrose
Carseland
Castor
Claresholm
Coaldale
Crossfield
Czar
Daysland
Delburne
Didsbury
Foremost
High River
Lacombe
Lethbridge
Magrath
Nanton
Penhold
Picture Butte
Ponoka
Rimbey
Stettler

a

Alberta

continued

Taber
Torrington
Viking
Warner
Wetaskawin

b

British Columbia

(1 location)

Langley DC

m

Manitoba

(4 locations)

Oak Bluff DC
Roblin
Russel
Swan River

o

Ontario

(2 location)

Cambridge DC
Dorchester DC

q

Quebec

(1 location)

Coteau du Lac DC

s

Saskatchewan

(28 locations)

Balcarres
Biggar
Bredenbury
Canora
Cupar
Glaslyn
Kamsack
Kinistino
Kipling
Langham
Leask

s

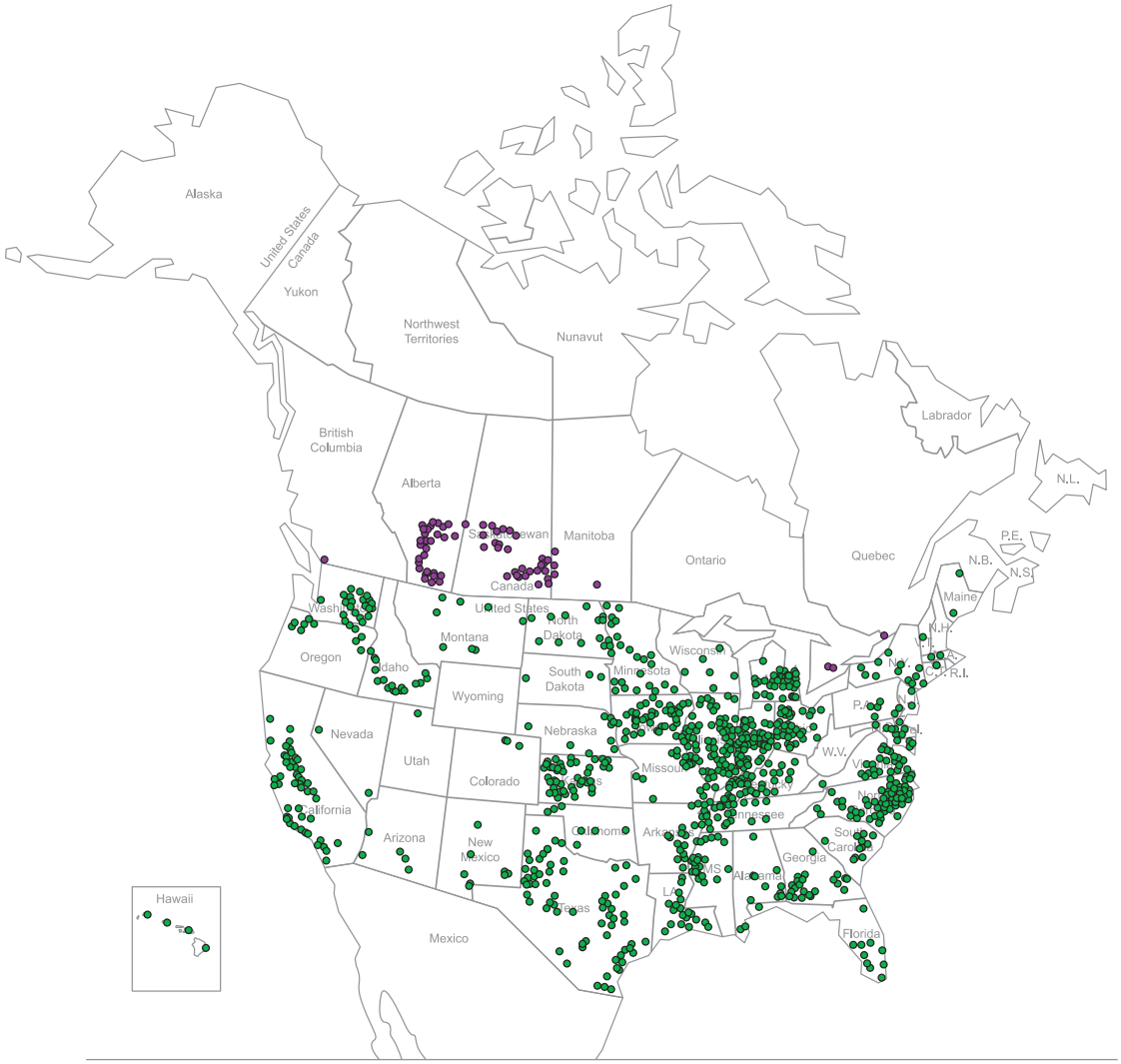
Saskatchewan

continued

Lumsden
Lloydminster
Melville
Moose Jaw
Moosomin
North Battleford
Osler
Prince Albert
Regina
Regina DC
Rhein
Rocanville
Saskatoon
Shellbrook
Spiritwood
Wakaw
Yorkton

* Satellites
** Terminals
DC Distribution Center
P Plants
(1) All DC locations are former legacy UAP locations.

Agrium Retail Locations



- Crop Production Services (CPS)
- Crop Production Services (CPS) Canada

United States Retail Companies - Top 15

(by Total Sales)

Rank	Company	# Retail outlets	Type	HQ State	# States Served	% Fertilizer Sales	% Crop Protection Sales	% Seed Sales	% Custom App.
1	Agrium Retail	826	Dealership	CO	45	48%	35%	14%	3%
2	Helena Chemical	311	Dealership	TN	48	38%	42%	17%	3%
3	Wilbus-Ellis	136	Dealership	CA	18	48%	42%	4%	6%
4	Simplot Retail	109	Dealership	ID	18	48%	34%	12%	6%
5	Growmark	300	Cooperative	IL	17	40%	33%	20%	7%
6	South States Coop.	222	Cooperative	VA	9	63%	18%	15%	4%
7	Jimmy Sanders	40	Dealership	MS	4	40%	33%	26%	1%
8	MFA	135	Cooperative	MO	4	59%	19%	18%	4%
9	Tenn. Farmers Coop.	159	Cooperative	TN	6	59%	19%	18%	4%
10	Harvest Land Coop	60	Cooperative	IN	2	50%	34%	15%	1%
11	Co-Alliance	30	Cooperative	IN	3	68%	16%	12%	4%
12	S.D. Wheat Growers	36	Cooperative	SD	2	53%	24%	17%	6%
13	Central Valley Ag	43	Cooperative	NE	1	40%	40%	15%	5%
14	Aurora Cooperative	24	Cooperative	NE	2	45%	35%	14%	6%
15	Cargill	15	Dealership	MN	5	64%	18%	9%	9%

Source: CROP LIFE Magazines Annual Top 100 Retailers in the United States, December 2009.

Agrium Wholesale: Leading Global Supplier

Our **Wholesale** division is one of the world's largest fertilizer distributors, marketing approximately eight million tonnes of nitrogen, phosphate, potash and secondary nutrients annually. Our products are predominately produced by 14 strategically located production facilities[1] and marketed around the world.

Agrium's Wholesale division manufactures, markets, and distributes three primary nutrients: nitrogen, phosphate, and potash. We service our customers through a network of over 100 distribution warehouses, supplied by 14 production facilities. Some of our suppliers to our distribution network are also competitors from a manufacturing perspective. Our strengths include a low cost-in-market position, the ability to leverage distribution, a focus on continued incremental expansion at key facilities and growth in new product sales and product offerings.

Nitrogen (N)

- Facilities strategically located in Canada and the United States combined annual capacity of over 5.0 million tonnes
- Competitive advantages of lower-cost Argentina, Egypt, and Alberta gas as well as a close proximity to key markets

Phosphate (P)

- Two phosphate plants, combined annual capacity of approximately 1.0 million tonnes
- Delivered cost advantage in Western Canada and North Western United States markets
- Integrated mining and production, access to low-cost sulphur and sulphuric acid

Potassium (K)

- Current capacity of over 2.0 million product tonnes
- Market internationally through Canpotex

Agrium Products

Fertilizer:

Ammonium Phosphate Sulphate
Anhydrous Ammonia
Aqua Ammonia
Calcium Ammonium Nitrate (CAN 17)
Merchant Grade Phosphoric Acid (MGA)
Monoammonium Phosphate (MAP)
Muriate of Potash
Nitrogen Solutions
Super Phosphoric Acid (SPA)
Urea

Industrial:

Ammonium Nitrate
Ammonium Sulphate
Anhydrous Ammonia
Aqua Ammonia
Ammonium Polyphosphate
Merchant Grade Phosphoric Acid (MGA)
Muriate of Potash
Nitric Acid, 42 and 38 Baume
Urea Ammonium Nitrate
Urea
Vanox

(1) Includes our joint venture agreement with Profertil in Bahia Blanca, Argentina.

Production Facilities and Annual Production Capacities

Production Capacity
(product tonnes per year)

Nitrogen Based Fertilizers

Canada

Redwater, Alberta	
Ammonia #1	280,000
Ammonia #2	680,000
Ammonia Total (gross)	960,000
Ammonia Total (net)	250,000
Urea[1]	720,000
Ammonium Nitrate[1]	215,000
Ammonium Sulphate	350,000
Nitrogen Solutions	180,000
Carseland, Alberta	
Ammonia (gross)	535,000
Ammonia (net)	135,000
Urea	680,000
Joffre, Alberta	
Ammonia (net)	480,000
Fort Saskatchewan, Alberta	
Ammonia (gross)	465,000
Ammonia (net)	170,000
Urea	430,000
Upgrade Facilities[2] (Standard and Granum)	
Nitrogen Solutions (material)	120,000

Production Capacity
(product tonnes per year)

Nitrogen Based Fertilizers

United States

Borger, Texas	
Ammonia (gross)	490,000
Ammonia (net)	430,000
Urea	99,000
Upgrade Facilities[2]	
Kennewick, Washington	
Nitrogen Solutions (material)	430,000
West Sacramento, California	
Nitrogen Solutions (material)	204,000
North Bend, Ohio	
Nitric Acid, Nitrogen Solutions (material)	110,000

(1) Includes product used to produce nitrogen solutions.
(2) Upgrade Facilities use ammonia and urea from other sources. They do not purchase natural gas to produce their own ammonia and urea.
Note: Figures exclude idle capacity.

Production Facilities and Annual Production Capacities

Production Capacity
(product tonnes per year)

Phosphate Based Fertilizers

Canada

Redwater, Alberta	
Mono-Ammonium Phosphate	660,000
P_2O_5 Equivalent	345,000
Kapuskasing, Ontario	
Average Concentrated Rock is 35% P_2O_5	
Concentrated Rock Mined Annually	0.91 Million Tonnes

United States

Soda Springs (Conda)[1], Idaho	
Mono-Ammonium Phosphate	300,000
Phosphates P_2O_5 Equivalent	345,000
Dry Valley, Idaho	
Average Concentrated Rock is 31% P_2O_5	
Ore Mined Annually	2.0 Million Tonnes
Concentrated Rock Produced Annually	1.3 Million Tonnes
Other Product Capacity	165,000
Total Canada and United States (P_2O_5)	720,000

Potash Based Fertilizers

Canada

Vanscoy, Saskatchewan	
Potash KCl (MOP)	2,050,000

Production Capacity
(product tonnes per year)

Rainbow Plant Capacities[2]

United States

Florence, Alabama	76,600
Americus, Georgia	110,000
Hartsville, South Carolina	78,400
Total Rainbow	265,000

(1) Conda also produces other phosphate products such as merchant grade acid and super phosphoric acid.
(2) Includes over 30 different ammoniated grades of fertilizer.

Agrium Wholesale Owned Distribution Facilities

Canada

(metric tonnes of fertilizer storage)

Location	Dry	Ammonia	Specialty[1]	Total
Bloom, Manitoba	50,000	27,000	-	77,000
Carseland, Alberta	50,000	36,000	22,000	108,000
Clavet, Saskatchewan	63,500	-	34,300	97,800
Ft. Macleod, Alberta	17,000	-	-	17,000
Ft. Saskatchewan, Alberta	65,000	36,000	-	101,000
Granum, Alberta	-	-	13,250	13,250
Kamloops, British Columbia	-	-	1,715	1,715
Redwater, Alberta	200,000	122,000	10,000	332,000
Roma Junction, Alberta	-	4,640	-	4,640
Standard, Alberta	-	-	21,150	21,150
Vanscoy, Saskatchewan	250,000	34,500	-	264,500
Watson, Saskatchewan	-	27,000	20,200	47,200
Total Canada	**695,500**	**287,140**	**122,615**	**1,105,255**

(1) Specialty includes solutions and specialty products.
Source: Agrium

Agrium Wholesale Owned Distribution Facilities

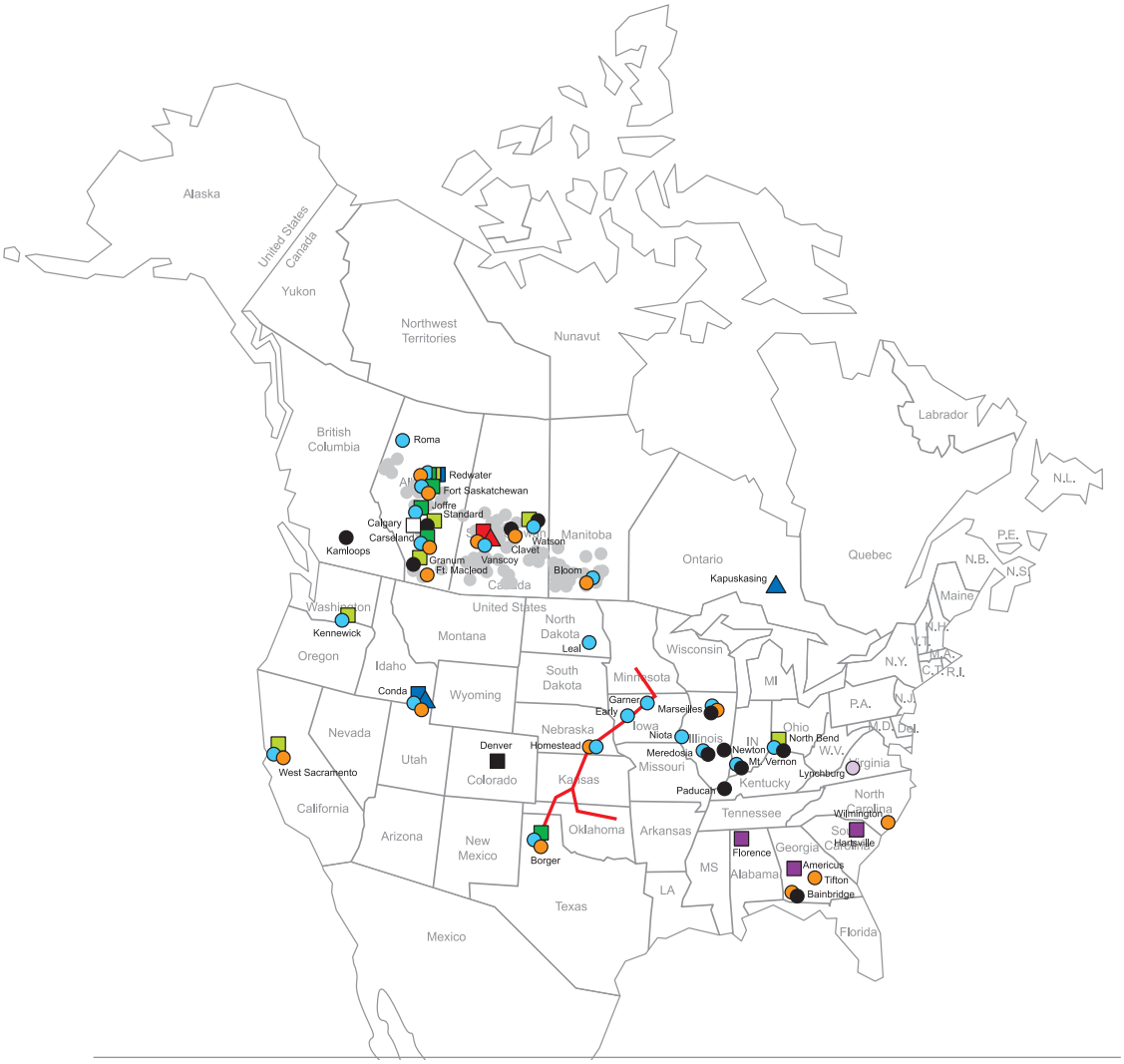
United States

(metric tonnes of fertilizer storage)

Location	Dry	Ammonia	Specialty[1]	Total
Americus, Georgia	42,634	-	-	42,634
Bainbridge, Georgia	18,142	-	-	18,142
Borger, Texas	15,965	900	-	16,865
Burley, Idaho	7,801	-	-	7,801
Conda, Idaho	54,426	-	-	54,426
Early, Iowa	-	65,992	-	65,992
Florence, Alabama	24,129	-	-	24,129
Garner, Iowa	-	114	-	114
Glade, Washington	14,604	-	-	14,604
Hartsville, South Carolina	24,492	-	-	24,492
Hoag, Nebraska	-	17,398	-	17,398
Homestead, Nebraska	27,213	-	-	27,213
Kennewick, Washington[2]	20,852	19,049	115,878	155,779
Lynchburg, Virginia	10,000	-	-	10,000
Leal, North Dakota	-	36,556	-	36,556
Marseilles, Illinois	5,443	34,383	31,023	70,848
Meredosia, Illinois	-	15,149	30,660	45,815
Mt. Vernon, Indiana	49,891	-	12,699	62,590
Newton, Illinois	-	-	8,527	8,527
Niota, Illinois	-	26,625	-	26,625
North Bend, Ohio	-	17,235	18,051	35,286
Paducah, Kentucky	-	-	12,699	12,699
Tifton, Georgia	16,328	-	-	16,328
West Sacramento, California	29,027	36,284	30,206	95,518
Wilmington, North Carolina	30,116	-	-	30,116
Total United States	**391,061**	**269,684**	**259,750**	**920,496**

(1) Specialty includes solutions and specialty products.
(2) Includes capacity from Kennewick and Finley, Washington.
Source: Agrium

Agrium Production and Distribution Locations



- Nitrogen Production Facility
- Solution Production Facility
- Phosphate Production Facility
- Phosphate Mine
- Potash Production Facility
- Potash Mine
- Granulation Production Facility
- Anhydrous Ammonia Storage
- Solution Storage
- Dry Storage
- Blend Storage
- Engro Distribution
- Ammonia Pipeline System
- Corporate/Wholesale Head Office
- United States Sales Office

2010 Ammonia Plant Capacities and Locations

('000 metric nutrient tonnes per year)

	Company	Site	Capacity of NH_3 Product
Canada			
	Agrium Inc.	Carseland, Alberta	439
	Agrium Inc.	Ft. Saskatchewan, Alberta	381
	Agrium Inc.	Joffre, Alberta	394
	Agrium Inc.	Redwater, Alberta	787
	CF Industries, Inc.	Courtright, Ontario	394
	Canadian Fertilizer Ltd.	Medicine Hat, Alberta	902
	Koch Fertilizer Canada Inc.	Brandon, Manitoba	353
	Sherritt International, Inc.	Ft. Saskatchewan, Alberta	158
	Yara Belle Plaine Inc.	Belle Plaine, Saskatchewan	590
Total Canada			4,239
United States			
	Agrium U.S. Inc.	Borger, Texas	402
	CF Industries, Inc.	Donaldsonville, Louisiana	2,084
	CF Industries, Inc.	Port Neal, Iowa	275
	CF Industries, Inc.	Verdigris, Oklahoma	781
	CF Industries, Inc.	Yazoo City, Mississippi	372
	CF Industries, Inc.	Woodward, Oklahoma	328
	Coffeyville Res.	Coffeyville, Kansas	320
	Dakota Gasification Company	Beulah, North Dakota	291
	Dyno Nobel	Cheyenne, Wyoming	146
	Dyno Nobel	St. Helens, Oregon	83
	Green Valley Chemical	Creston, Iowa	26
	Honeywell International	Hopewell, Virginia	459
	Koch Industries Inc.	Beatrice, Nebraska	217
	Koch Industries Inc.	Dodge City, Kansas	230
	Koch Industries Inc.	Enid, Oklahoma	818
	Koch Industries Inc.	Fort Dodge, Iowa	287
	LSB Industries	Cherokee, Alabama	130
	LSB Industries	Pryor, Oklahoma	201
	Mosaic Company	Faustina, Louisiana	410
	Potash Corporation of Saskatchewan	Augusta, Georgia	585
	Potash Corporation of Saskatchewan	Lima, Ohio	482
	Rentech Inc.	E. Dubuque, Illinois	228
Total United States			9,156
Total Canada and United States			13,396

Source: IFDC Worldwide Ammonia Capacity Listing by Plant, June 2010.

2010 Urea Plant Capacities and Locations

('000 metric nutrient tonnes per year)

Company	Site	IFDC Capacity[1] *(Includes Urea Melt)*	Blue Johnson Capacity *(Solid Urea)*
Canada			
Agrium Inc.	Carseland, Alberta	313	313
Agrium Inc.	Ft. Saskatchewan, Alberta	198	198
Agrium Inc.	Redwater, Alberta	331	331
CF Industries, Inc.	Courtright, Ontario	-	119
Canadian Fertilizer Ltd.	Medicine Hat, Alberta	338	307
Dyno Nobel Nitrogen	Maitland, Ontario	4	-
Koch Fertilizer Canada Inc.	Brandon, Manitoba	129	129
Yara Belle Plaine Inc.	Belle Plaine, Saskatchewan	511	453
Total Canada		1,823	1,850
United States			
Agrium U.S. Inc.	Borger, Texas	46	46
CF Industries, Inc.	Donaldsville, Louisiana	1,068	983
CF Industries, Inc.	Port Neal, Iowa	128	134
CF Industries, Inc.	Verdigris, Oklahoma	279	284
CF Industries, Inc.	Yazoo City, Missouri	82	81
CF Industries, Inc.	Woodward, Oklahoma	53	125
CVR Energy	Coffeyville, Kansas	157	100
Dyno Nobel	Cheyenne, Wyoming	44	42
Dyno Nobel	St. Helens, Oregon	52	56
Koch Industries Inc.	Beatrice, Nebraska	29	29
Koch Industries Inc.	Dodge City, Kansas	38	38
Koch Industries Inc.	Enid, Oklahoma	231	232
Koch Industries Inc.	Fort Dodge, Iowa	79	79
LSB Industries Inc.	Cherokee, Alabama	100	-
Potash Corporation of Saskatchewan	Augusta, Georgia	230	240
Potash Corporation of Saskatchewan	Geismar, Louisiana	171	167
Potash Corporation of Saskatchewan	Lima, Ohio	188	184
Rentech Inc.	E. Dubuque, Illinois	61	54
Total United States		3,036	2,874
Total Canada and United States		4,859	4,723

(1) IFDC includes CRU production capacity.
Source: IFDC Worldwide Urea Capacity Listing by Plant, June 2010.
Blue, Johnson & Associates Inc., Nitrogen Profiles 2010.

2010 Granular Ammonium Phosphates Plant[1] Capacities and Locations

('000 metric nutrient tonnes per year)

Company	Site	IFDC Capacity
Canada		
Agrium Inc.	Redwater, Alberta	345
Total Canada		345
United States		
Agrifos Fertilizer, LP	Pasadena, Texas (DAP)	227
Agrium US Inc.	Conda, Idaho (DAP/MAP)	345
CF Industries, Inc.	Plant City, Florida (DAP)	998
J.R. Simplot Company	Pocatello, Idaho	191
J.R. Simplot Company	Rock Springs, Wyoming	186
Mississippi Phosphates Corp.	Pascagoula, Mississippi (DAP)	362
Mosaic Company	Bartow, Florida (DAP)	954
Mosaic Company	Tampa, Florida (DAP)	785
Mosaic Company	Faustina, Louisiana (DAP)	835
Mosaic Company	New Wales, Florida (DAP)	1,669
Potash Corporation of Saskatchewan	Aurora, North Carolina (DAP)	574
Potash Corporation of Saskatchewan	White Springs, Florida (DAP)	209
Total United States		7,335
Total Canada and United States		7,680

(1) Capacities figures are on a P_2O_5 basis.
Source: IFDC Worldwide DAP & MAP Capacity Listing by Plant, June 2010.

2010 Muriate of Potash Capacities

('000 metric nutrient tonnes per year)

Company	Site	Capacity
Canada		
Agrium Inc.	Vanscoy, Saskatchewan	1,230
Mosaic Company	Belle Plaine, Saskatchewan	1,680
Mosaic Company	Colonsay, Saskatchewan	1,080
Mosaic Company	Esterhazy, Saskatchewan	2,400
Potash Corporation of Saskatchewan	Allan, Saskatchewan	1,131
Potash Corporation of Saskatchewan	Cory, Saskatchewan	817
Potash Corporation of Saskatchewan	Lanigan, Saskatchewan	2,297
Potash Corporation of Saskatchewan	Patience Lake, Saskatchewan	620
Potash Corporation of Saskatchewan	Penobsquis (Sussex), New Brunswick	480
Potash Corporation of Saskatchewan	Rocanville, Saskatchewan	1,826
Total Canada		13,561
United States		
Intrepid Potash	Carlsbad, New Mexico (East)	136
Intrepid Potash	Lea County, New Mexico (West)	234
Intrepid Potash	Moab, Utah	71
Intrepid Potash	Wendover, Utah	54
Mosaic Company	Carlsbad, New Mexico	300
Mosaic Company	Hersey, Michigan	60
Total United States		855
Total Canada and United States		14,416

Source: Annual Company Reports.

Annual Capacity

('000 metric nutrient tonnes per year)

(Currency figures in US$ millions, except where noted)

	N	P	K
Potash Corporation of Saskatchewan[1][2]	3,032	2,447	8,936[3]

- Public company, traded on NYSE and TSX, ticker symbol: POT.
- FY2009 EBITDA: $1,197.4
- Website address: www.potashcorp.com
- Headquarters: Saskatoon, Saskatchewan, Canada
- Plants located in: Canada, United States, Trinidad, Brazil

Yara International ASA[1]	6,713[4]	455	-

- Public company, traded on OSE, ticker symbol: YAR
- FY2009 EBITDA: $588.0
- Website address: www.yara.com
- Headquarters: Oslo, Norway
- Plants located in: Norway, Sweden, France, Germany, Netherlands, Italy, Trinidad and Brazil

Koch Industries, Inc.	2,171[5]	-	-

- Private Company
- Website address: www.kochind.com
- Headquarters: Wichita, Kansas, United States
- Plants located in: Canada, United States and Trinidad

CF Industries Holdings Inc.[1]	5,095[6]	998	-

- Public company, traded on NYSE, ticker symbol: CF
- FY2009 EBITDA: $780.8
- Website address: www.cfindustries.com
- Headquarters: Deerfield, Illinois, United States
- Plants located in: United States, Canada, Trinidad and United Kingdom

The Mosaic Company[1]	410	4,400	6,240[7]

- Public Company, traded on NYSE, ticker symbol: MOS
- FY2009 EBITDA: $1,745.4
- Website address: www.mosaicco.com
- Headquarters: Plymouth, Minnesota, United States
- Plants located in: United States and Canada

(1) The major stock exchange is listed, some are listed on multiple exchanges.
(2) Potash Corporation of Saskatchewan's annual capacities includes their interest in Sinofert (22%), Arab Potash Ltd. (28%), Sociedad Quimica y Minera de Chile (32%) and Israel Chemicals Ltd. (14%).
(3) Stated nameplate capacity includes idle capacity at their production facilities, Cory and Patience Lake, Saskatchewan.
(4) Yara's annual nitrogen capacity includes their interest in Le Harve (47.85%), Tringen(49%), QAFCO (25%), Burrup Holdings (35%), GrowHow UK (50%), Rossosh (37.69%) and Lifeco (50%).
(5) Koch's annual nitrogen capacity includes their interest in Point Lisas Nitrogen Limited (50%)
(6) CF Industries nitrogen capacity includes their recent acquisition of Terra Industries and Terra's previous interests in GrowHow UK (50%) and Point Lisas Nitrogen Ltd. (50%) and CF's interest in Canadian Fertilizer Ltd. (66%).
(7) Mosaic's annual potassium capacity does not include product produced at Esterhazy and sold to Potash Corporation of Saskatchewan under a tolling agreement

Source: Company websites
www.capitaliq.com, a Division of Standard and Poors.
IFDC Worldwide Ammonia Capacity Listing by Plant, June 2010.
IFDC Worldwide Phosphoric Acid Capacity Listing by Plant, June 2010.
IFDC Worldwide Potash Capacity Listing by Plant, June 2010.

Agrium Advanced Technologies: Embracing the Future

Agrium Advanced Technologies is the leading manufacturer and marketer of slow- and controlled-release fertilizers and micronutrients in the Agriculture, professional Turf and Ornamental, Consumer Lawn and Garden, and Specialty Agriculture markets. Agrium Advanced Technologies' brands include: ESN®, POLYON®, XCU®, NITROFORM®, NUTRALENE®, and DURATION CR® slow- and controlled-release fertilizers, AMP™, UltraYield® Micronutrients and PRECISE® controlled-release plant protection. These products utilize proprietary advanced generation technologies to control nutrient release for improved plant growth and environmental performance.

Agrium markets controlled-release fertilizer, ESN®, into the commodity agriculture market. ESN® is Agrium's patented-process controlled release nitrogen product, the first product of its kind marketed for use in commodity agriculture. Controlled-release fertilizers release nutrients as plants require, increasing the efficiency of fertilizer use while benefiting the environment.

Products

Control Release	Slow Release	Micronutrients	Plant Protection
ESN	XCU	AMP	Precise
Duration	Nutralene	AgriMag	
Polyon	Nitroform	Broadman20	
		EZ20	
		Nubor10	
		UltraYield	

Annual Production Capacities by Product

	Production Capacity *(metric tonnes per year)*
Specialty Fertilizers *(by product types)*	
ESN	360,000
Duration	40,000
Nutralene	12,000
XCU	105,000
Nitroform	6,000
Polyon	93,850
Total All Product Types [1]	**616,850**
	(metric tonnes per year)
Micronutrients and NPKs [2]	
Reese Facility	50,000

(1) All Product Types include ESN, Duration, Nutralene, XCU, Nitroform, Polyon, and Precise.
(2) Includes AMP and UltraYield products.

Agrium Advanced Technologies - ESN Features, Advantages and Benefits

ESN is the only controlled release nitrogen source widely available in agriculture, providing growers with a return on investment through increased nitrogen efficiency.

Audience	Features	Advantages	Benefits
Growers	Controlled Release Nitrogen (N) Benefits	Yield Enhancements	Per acre yield increases of 15-20 bu/acre in corn, 8-10 percent in Canola, and 5-10 percent in wheat when applied to the appropriate acres.(1)
		Protein/Quality Improvements	Up to 1.5 percent increase in cereal protein and increased quality in potatoes and other crops.(1)
		Timing/ Convenience	Fewer applications required with a larger window. Coating protects product while in storage and works with all conventional equipment.
		Seed Safety	Apply up to 3x the typical safe rate of urea.
		Environmentally Friendly	Virtually eliminate N loss to the environment, protecting the growers N investment while receiving government support through the use of incentives.
	Backed by Independent Research	Confidence	University and government research over multiple years, geographies, and crops instills confidence in benefit claims.
	Color	Confidence	Color instills confidence in the grower and tells them they received the appropriate product.

(1) Statistics are based on AAT field research database, results may vary.

Product Innovation is a key priority for Advanced Technologies

AAT's Research Team provides:

- New product, application and process development
- Scale-up and commercialization
- Optimization of current products
- Investigate emerging technologies
- Development of intellectual property for AAT

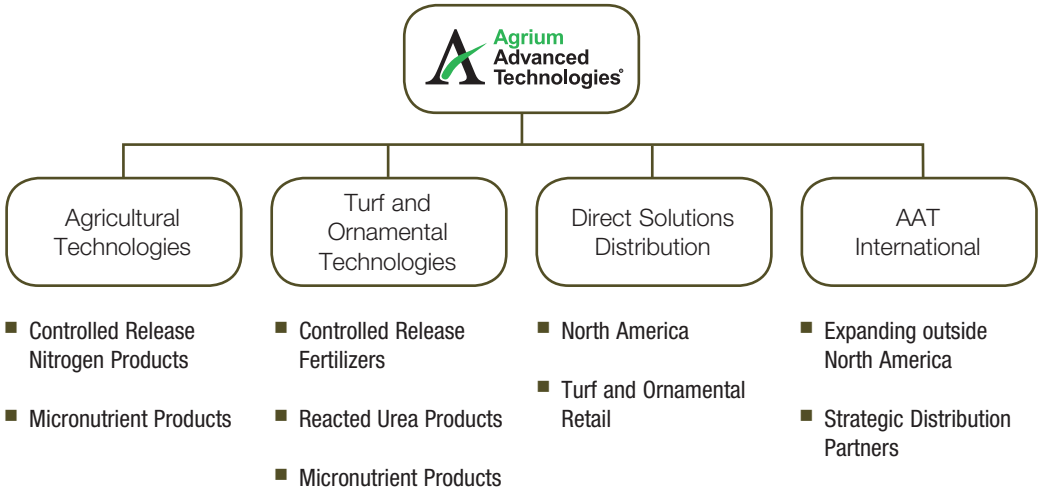
AAT's Agronomy Team provides:

- Products founded on sound agronomic science for predictable performance and value to the customer
- Products backed by years of industry-leading field testing by top soil scientists
- Recognized experts in slow- and controlled-release fertilizer products
- Quality customer education to help properly position our products

AAT's Products Provide:

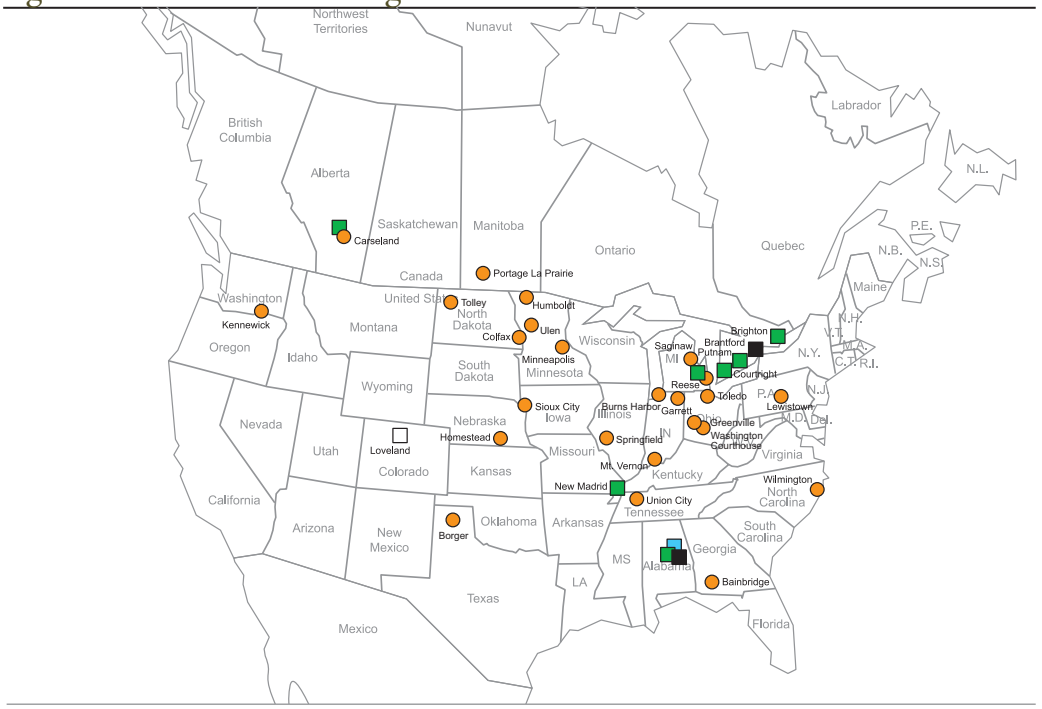
- Improved productivity
- Improved customer profit
- More convenient application timing and methods
- Environmental benefits

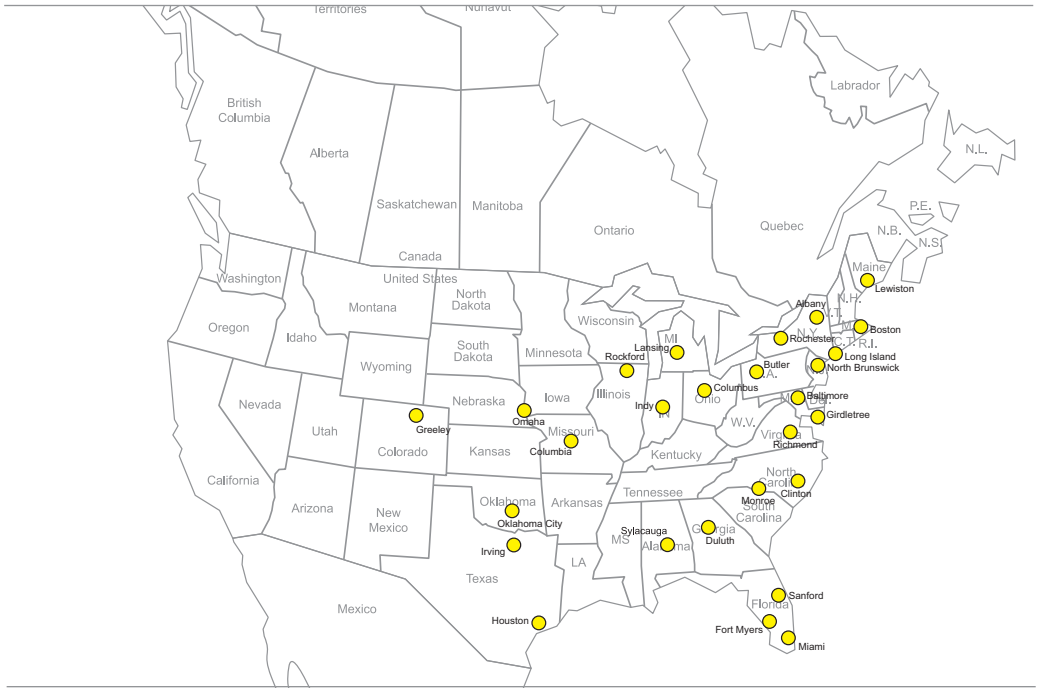
Agrium Advanced Technologies businesses:



AAT's conducts business in four distinct areas. Agriculture Technologies provides ESN controlled release nitrogen and UltraYield micronutrients to the agriculture markets. T&O Technologies provide their slow- and control-release products to the golf, lawn care, horticulture and consumer markets. Direct Solutions provides full-service distribution to the T&O markets. AAT's international team provides both agriculture and T&O products to customers globally.

Agrium Advanced Technologies Production and Distribution Locations





- Production Facility
- Product Innovation
- Regional Office
- Head Office
- Storage Facility
- Distribution Locations (Turf and Ornamental)

Agrotain International L.L.C.

- Subsidiary of Lange-Stegmann Co., a privately held company
- Website address: www.agrotain.com
- Headquarters: St. Louis, Missouri
- Facilities located in: North America.

Products

N Stabilizers

- Agrotain, Agrotain Plus, Super N Concentrate (Urease Inhibitors + Nitrification Inhibitors)
- HYDREXX (Urease Inhibitor + Nitrification Inhibitor)

Stabilized Nitrogen Fertilizers

- UMAXX
- UFLEXX
- Super U

Chisso Asahi Fertilizer Company Ltd.

- Private Company
- Website address: www.chisso.co.jp/english
- Facilities located in: Japan

Products

U.S. Market (Primarily through Helena Chemical Co.)

- Nutricote (PCF)
- Meister (PCU)
- UBER (CDU)

Japanese Market:

- Phoska Line (CDU)
- Long, Ecolong, Hi-Control, LP Coat (PCF)

Haifa Chemicals Ltd.

- Private Company, owned by Trans Resources Inc.
- Website address: www.haifachem.com
- Headquarters: Haifa Bay, Israel
- Facilities located in: Israel and France

Products

Coated Products

- Multicote (PCU and PC - NPK)
- Cote N (PCU)
- Poly-Feed
- Multi-K

Urea Reaction

- Hi-Green (MU-based NPK)

Lebanon Seaboard Corporation

- Private Company
- Website address: www.lebanonturf.com
- Headquarters: Lebanon, Pennsylvania
- Facilities located in: North America

Products

Urea Reaction

- Meth-Ex 40 (methylene urea used in brand name products MESA and EXPO

Coated Products

- Poly-X Pro – (purchased PCSCU)

Brand Name Blended Products

- Country Club, Lebanon Pro, IsoTec, Par Ex, Proscape, Greenskeeper

Planting Products

- Woodace Tablets

Source: Company public disclosure.

Sadepan Chimica S.r.l

- Private Company (division of the Saviola Group)
- Website address: www.grupposaviola.com/sadepanc
- Headquarters: Mantova, Italy
- Facilities located in: Italy and Belgium

Products
- Sazolene Products (liquid and granular methylene urea products)
- Sirflor N38 and Sirflor Plus (Granular ureaform)

The Scotts Miracle-Gro Company

- Public company, traded on NYSE under the ticker SMG
- Website address: www.scotts.com
- Headquarters: Marysville, Ohio
- Facilities located in: North America, UK and the Netherlands
- FY2009(1) EBITDA: $359.0-Million
- Divisions: Global Consumer, Global Professional, Scotts Lawnservice®, and Corporate and other.

Products

Coated Products:
- Poly-S (PCSCU)
- ScottKote (PCU)
- Osmocote (PC – NPK)

Others:
- Turf Builder
- Osmoform
- Miracle Gro, Scotts, Hypones, Earthgro, SuperSoil, Bug-B-Gone, Weed-B-Gone and Roundup

Planting Products (Horticulture)
- Agriform

Turf Care Supply Corporation

- Private Company (owned by Platinum Equity)
- Website address: www.turfcaresupply.com
- Facilities located in: United States
- Headquarters: Brunswick, Ohio

Products

Marketed Products:
- Growstar Line: line of turf-related blended and homogenous products including Palm and Tropical Fertilizer; Polymer Coated Sulfur Coated Urea; Professional Turf Fertilizer; Sulfur Coated Sulfate of Potash with Iron and Manganese; Weed and Feed.

Private Label Production:
- Poly-Plus (PCSCU for JDL / Lesco)
- Novex (NPK and NK with MU for JDL / Lesco)

(1) Fiscal year end September 30.
Source: Company public disclosure

Crops: Area, Production and Stocks - United States

(million bushels and million acres)

	Area Planted	Area Harvested	Yield (bu/ac)	Produced	Total Use	Ending Stocks	Stocks to Use Ratio	Avg. Farm Price ($/bu)
Wheat (CY)								
2010/11(p)	53.6	47.7	46.7	2,224	2,446	853	35%	5.50
2009/10(e)	59.2	49.9	44.5	2,218	2,018	976	48%	4.87
2008/09	63.2	55.7	44.9	2,499	2,275	657	29%	6.78
2007/08	60.5	51.0	40.2	2,051	2,314	306	13%	6.48
2006/07	57.3	46.8	38.7	1,812	2,049	456	22%	4.26
2005/06	57.2	50.1	42.0	2,105	2,155	571	26%	3.42
2004/05	59.7	50.0	43.2	2,158	2,235	540	24%	3.40
2003/04	62.1	53.1	44.2	2,345	2,353	546	23%	3.40
Soybeans (CY)								
2010/11(p)	77.7	76.8	44.4	3,408	3,305	265	8%	10.75
2009/10(e)	77.5	76.4	44.0	3,359	3,361	151	5%	9.60
2008/09	75.7	74.7	39.7	2,967	3,047	138	5%	9.97
2007/08	64.7	64.1	41.7	2,677	3,056	205	7%	10.10
2006/07	75.5	74.6	42.7	3,188	3,073	574	19%	6.43
2005/06	72.0	71.3	43.0	3,063	2,873	449	16%	5.66
2004/05	75.2	74.0	42.2	3,124	2,986	256	9%	5.74
2003/04	73.4	72.5	33.9	2,454	2,525	112	4%	7.34

CY Crop year
(e) estimated
(p) projected
Source: USDA-WASDE-487, October 8, 2010.

Corn Supply and Use - United States

(million bushels and million acres)

Year	Begin Stocks	Area Planted	Area Harvested	Yield (bu/ac)	Produced	Total Supply	Total Dom Use	Exports	End Stocks	Stocks To Use Ratio	Days Supply	Avg. Farm Price ($/bu)
2010/11(p)	1,708	88	81	156	12,664	14,382	11,480	2,000	902	6.7%	29	5.00
2009/10(e)	1,673	87	80	165	13,110	14,791	11,097	1,987	1,708	13.1%	56	3.55
2008/09	1,624	86	79	154	12,092	13,729	10,207	1,849	1,673	13.9%	60	4.06
2007/08	1,304	94	87	151	13,038	14,362	10,300	2,437	1,624	12.8%	58	4.20
2006/07	1,967	78	71	149	10,535	12,514	9,086	2,125	1,304	11.6%	52	3.04
2005/06	2,114	82	75	148	11,114	13,237	9,122	2,147	1,967	17.4%	79	2.00
2004/05	958	81	74	160	11,807	12,776	8,844	1,818	2,114	19.8%	87	2.06
2003/04	1,087	79	71	142	10,089	11,190	8,335	1,897	958	9.3%	42	2.42
2002/03	1,596	79	69	129	8,967	10,578	7,903	1,588	1,087	11.4%	50	2.32
2001/02	1,899	76	69	138	9,507	11,416	7,915	1,889	1,596	16.3%	74	1.97
2000/01	1,718	80	72	137	9,915	11,639	7,805	1,935	1,899	19.5%	89	1.85
1999/00	1,787	77	71	134	9,431	11,232	7,587	1,937	1,718	18.0%	83	1.82
1998/99	1,308	80	73	134	9,759	11,085	7,318	1,981	1,787	19.2%	89	1.94
1997/98	883	80	73	127	9,207	10,099	7,287	1,504	1,308	14.9%	66	2.43
1996/97	426	80	73	127	9,293	9,733	7,054	1,795	883	9.9%	46	2.70
1995/96	1,558	71	65	114	7,374	8,947	6,294	2,228	426	5.0%	25	3.24
1994/95	850	79	73	139	10,103	10,963	7,205	2,200	1,558	16.5%	79	2.26
1993/94	2,113	79	72	101	6,336	8,470	6,292	1,328	850	11.1%	49	2.50

(e) estimated
(p) projected
Source: USDA-WASDE-487, October 8, 2010.

Fertilizer Application Rates - United States

(Years Ended June 30[1])

		N	P	K	Total
Corn	lbs/acre	138	58	84	
	% of area applied	96%	81%	65%	
	lbs applied/acre	132	47	54	233
Cotton	lbs/acre	91	43	71	
	% of area applied	92%	67%	52%	
	lbs applied/acre	91	43	70	150
Soybeans	lbs/acre	16	46	80	
	% of area applied	18%	23%	25%	
	lbs applied/acre	3	11	20	34
Spring Wheat	lbs/acre	72	32	18	
	% of area applied	95%	85%	27%	
	lbs applied/acre	68	27	5	100
Winter Wheat	lbs/acre	64	34	49	
	% of area applied	80%	57%	17%	
	lbs applied/acre	51	19	8	78

(1) Corn and Cotton data are for the years 2005 and 2008, respectively. Soybeans, Spring Wheat and Winter Wheat data is for the year 2007.
Source: Agricultural Chemical Usage Report, 2007 and 2008 Field Crops Summary. NASS, USDA.

Nutrient Uptake and Removal by Field Crops - United States

(pound per acre)

		N	P_2O_5	K_2O
Corn				
156 bu/acre	Uptake[1]	240	102	240
	Removal[2]	135	79	52
Soybeans				
44 bu/acre	Uptake	224	38	144
	Removal	160	32	56
Cotton				
841 lb/acre	Uptake	160	48	140
	Removal	54	24	34

(1) Total nutrient taken up by the crop.
(2) Nutrient removed in harvested portion of the crop.
Source: IPNI; Plant Food Uptake and Harvest Removal For Southern Crops, November 2009.
USDA, WASDE-485-11, August 12, 2010.

Planted Area and Production by Crop - Western Canada

Area[1]

('000 of acres)

	2010(e)	2009	2008	2007	2006	2005	2004	2003	2002
Winter Wheat	1,423	1,867	2,617	1,587	1,711	405	670	561	383
Spring Wheat	17,807	16,930	16,363	15,215	18,743	17,582	18,325	18,283	18,846
Durum Wheat	3,490	5,660	6,030	4,815	3,795	5,785	5,510	6,135	6,150
Oats	3,738	3,732	4,345	5,408	5,099	4,125	3,180	5,184	5,500
Barley	8,052	8,663	9,357	10,865	9,118	10,290	10,865	11,715	11,836
Rye	225	285	340	305	482	350	361	356	210
Flaxseed	1,285	1,710	1,560	1,305	1,988	2,080	1,799	1,841	1,710
Canola	17,895	16,200	16,160	14,726	12,422	13,485	13,054	11,626	9,541
Total Crops[2]	53,915	55,047	56,772	54,226	53,358	54,102	53,764	55,701	54,176
Summer Fallow	6,120	6,230	6,070	7,710	8,617	10,160	8,918	8,913	10,289

Production

('000 of tonnes)

	2010(e)	2009	2008	2007	2006	2005	2004	2003	2002
Winter Wheat	2,571	2,945	4,687	2,499	3,403	469	939	751	386
Spring Wheat	16,966	16,150	18,405	13,873	20,052	18,407	18,087	16,075	9,995
Durum Wheat	3,122	4,519	5,519	3,681	3,821	5,915	4,962	4,280	3,714
Oats	2,392	2,967	4,273	4,696	3,602	3,028	3,271	3,255	2,330
Barley	8,488	8,948	11,781	10,984	10,005	11,664	12,300	11,396	6,190
Rye	232	267	316	233	302	302	340	263	83
Flaxseed	570	915	861	634	1,041	1,082	517	754	679
Canola	10,867	9,541	12,643	8,751	9,105	9,609	7,651	6,604	3,520
Total Crops[2]	45,208	46,254	58,485	45,351	51,331	50,476	48,067	43,378	26,897

(e) estimated
(1) Refers to seeded Area.
(2) Total crops includes total for major crops only.
Source: Field Crop Reporting Series, Catalogue no. 22-002X, Volume 89. No 5, Statistics Canada, August 2010.
Field Crop Reporting Series, Catalogue no. 22-002-X, Volume 89. No 4, Statistics Canada, June 2010.

Nutrient Uptake and Removal by Field Crops - Western Canada

(pound per acre)

		N	P_2O_5	K_2O	S
Spring Wheat					
40 bu/acre	Uptake[1]	76-93	29-35	65-80	8-10
(2,690 kg/ha)	Removal[2]	54-66	21-26	16-19	4-5
Barley					
80 bu/acre	Uptake	100-122	40-49	96-117	12-14
(3,360 kg/ha)	Removal	70-85	30-37	23-28	6-8
Canola					
35 bu/acre	Uptake	100-123	46-57	73-89	17-21
(1,960 kg/ha)	Removal	61-74	33-40	16-20	10-12
Flax					
24 bu/acre	Uptake	62-76	18-22	39-48	12-15
(1,492 kg/ha)	Removal	46-56	14-17	13-16	5-6

(1) Total nutrient taken up by the crop.
(2) Nutrient removed in harvested portion of the crop.
Source: Canadian Fertilizer Institute, February 2001.

Total Consumption of Fertilizers - North America

('000 metric nutrient tonnes per year)

Year	Primary Nutrient Consumption N	P_2O_5	K_20	Total
United States				
2010(p)	11,340	3,810	3,629	18,779
2009(e)	10,908	3,221	2,631	16,759
2008	11,396	3,853	4,227	19,476
2007	11,970	4,147	4,657	20,774
2006	10,926	4,064	4,286	19,274
2005	11,192	4,209	4,695	20,093
2004	11,819	4,377	5,008	21,204
2003	10,970	3,892	4,491	19,353
2002	10,895	4,200	4,519	19,614
2001	10,464	3,862	4,469	18,795
2000	11,189	3,913	4,510	19,612
1999	11,296	3,851	4,494	19,649
1998	11,170	4,187	4,809	20,166
1997	11,206	4,184	4,921	20,311
1996	11,162	4,107	4,770	20,039
1995	10,631	4,014	4,652	19,297
1994	11,470	4,102	4,779	20,351
1993	10,335	4,024	4,664	19,023
1992	10,384	3,826	4,574	18,784
1991	10,239	3,811	4,537	18,587
1990	10,048	3,942	4,720	18,710

(e) estimated
(p) projected
Source: The Fertilizer Institute, US Nutrient Consumption 1960-2006.
IFA, Fertilizer Consumption 2009/10-2014/15, Country Reports, June 2010.

Total Consumption of Fertilizers - North America

('000 metric nutrient tonnes per year)

Year	Primary Nutrient Consumption N	P_2O_5	K_20	Total
Canada				
2009/10(e)	1,872	615	273	2,759
2008/09	1,817	580	195	2,592
2007/08	1,915	502	354	2,771
2006/07	1,650	650	334	2,634
2005/06	1,540	566	240	2,346
2004/05	1,394	610	331	2,335
2003/04	1,659	676	350	2,685
2002/03	1,642	656	336	2,634
2001/02	1,556	630	324	2,510
2000/01	1,578	632	316	2,526
1999/00	1,682	668	339	2,689
1998/99	1,619	664	361	2,644
1997/98	1,653	717	358	2,728
1996/97	1,670	703	322	2,695
1995/96	1,576	658	333	2,567
1994/95	1,448	628	310	2,386
1993/94	1,406	641	328	2,375
1992/93	1,305	616	327	2,248
1991/92	1,253	592	310	2,155
1990/91	1,148	578	338	2,064

(e) estimated
Source: The Fertilizer Institute, US Nutrient Consumption 1960-2006.
IFA, Fertilizer Consumption 2009/10-2014/15, Country Reports, June 2010.

Total Consumption of Fertilizers and Plant Nutrients - Canada

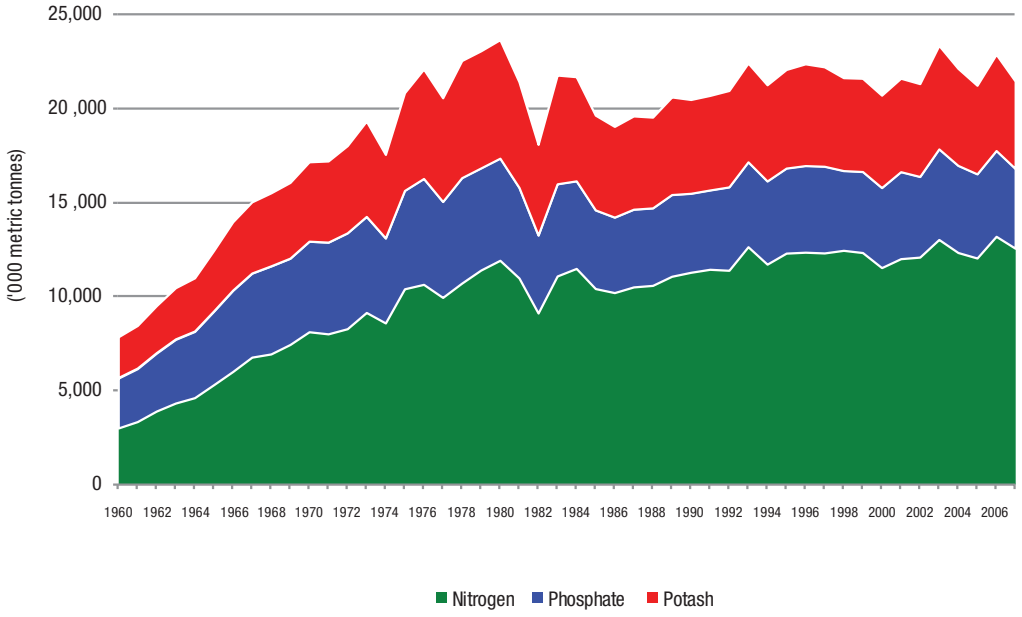
('000 metric nutrient tonnes per year)

Year	Primary Nutrient Consumption N	P_2O_5	K_20	Total
Western Canada				
2009/2010[1]	1,561	493	99	2,153
2008/2009	1,513	463	78	2,054
2007/2008	1,600	442	163	2,205
2006/2007	1,939	337	150	2,426
2005/2006	1,251	452	68	1,771
2004/2005	1,259	502	159	1,920
2003/2004	1,350	543	157	2,050
2002/2003	1,340	527	151	2,018
2001/2002	1,280	488	126	1,894
2000/2001	1,301	486	124	1,911
1999/2000	1,396	518	133	2,047
1998/1999	1,320	516	137	1,973
1997/1998	1,354	553	126	2,033
1996/1997	1,399	550	109	2,058
1995/1996	1,288	509	108	1,905
Eastern Canada				
2009/2010[1]	339	137	171	647
2008/2009	344	114	108	566
2007/2008	315	60	191	566
2006/2007	477	118	256	851
2005/2006	289	113	137	539
2004/2005	134	108	173	415
2003/2004	310	133	192	635
2002/2003	303	129	184	616
2001/2002	276	142	198	616
2000/2001	276	146	192	614
1999/2000	286	149	206	641
1998/1999	299	148	222	669
1997/1998	299	164	232	695
1996/1997	271	154	213	638
1995/1996	288	149	225	662

(1) 2007/2008, 2008/2009 and 2009/2010 data are derived from fertilizer shipments to Canadian agriculture markets report. Data prior to 2006 was collected by Canadian Fertilizer Institute. Different coverage and reporting methods of the data will affect the comparability of the data.

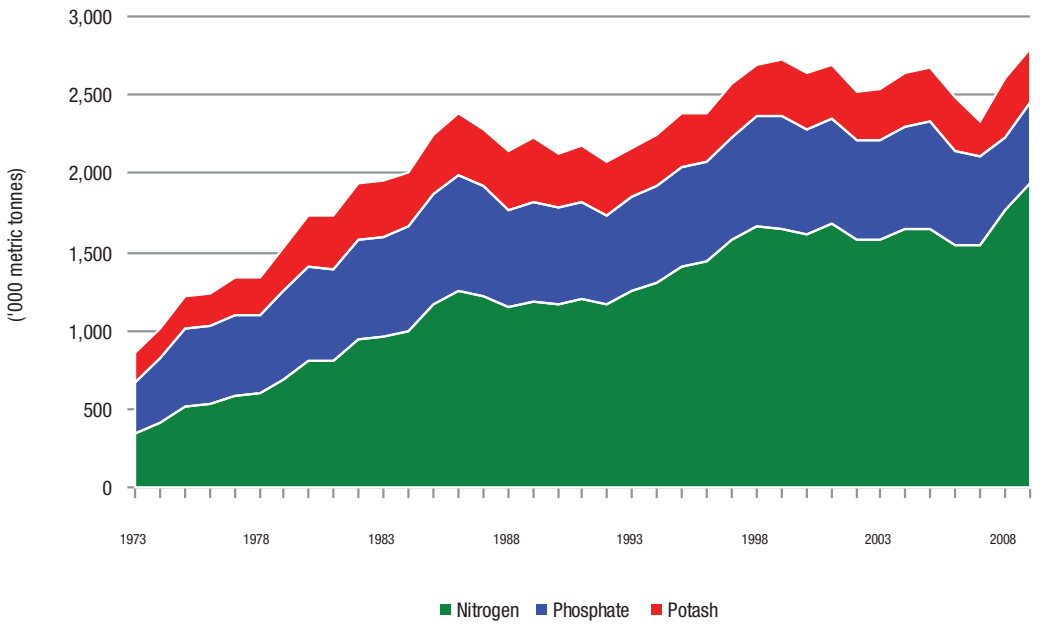
Source: Statistics Canada - Fertilizer Shipments Survey 2010.

Fertilizer Consumption - United States



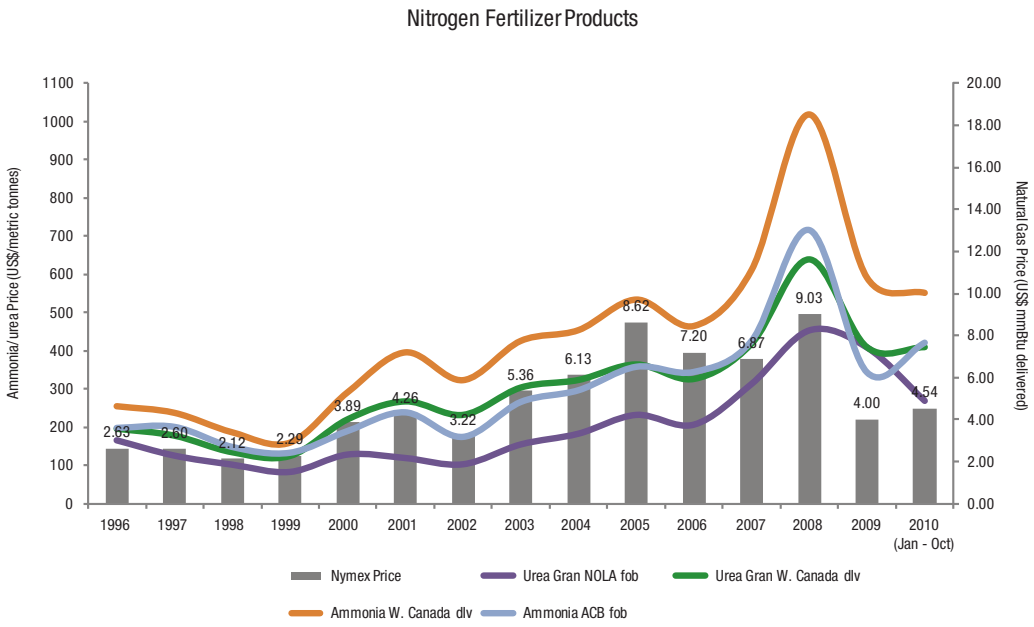
Source: AAPFCO, The Fertilizer Institute (TFI), June 2010.

Fertilizer Consumption - Canada



Source: The Fertilizer Institute, 2009.

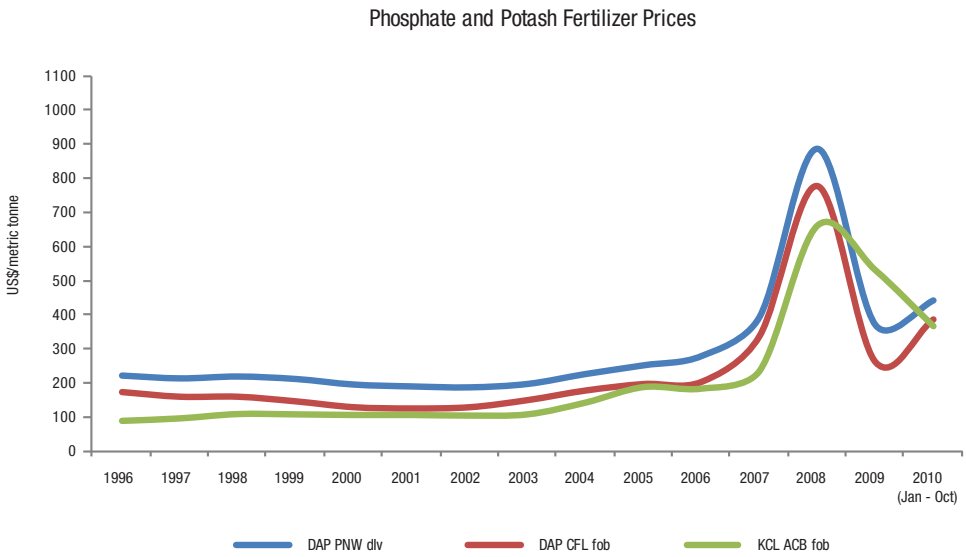
Historical Fertilizer and Gas Prices - North America



- Fertilizer prices are all spot weighted averages before any discounts, year average refers to calendar year.
- NOLA = refers to a FOB price (loaded on barge) at the U.S. Gulf port, New Orleans, Louisiana.
- ACB refers to the weighted average price in the U.S. corn belt.
- Gas prices are unhedged spot delivered to an ammonia plant located close to New Orleans, Louisiana (YTD Avg).

Source: Blue, Johnson and Associates Inc., The Sheet October 2010.

Historical Fertilizer and Gas Prices - North America



- Fertilizer prices are all spot weighted averages before any discounts, year average refers to calendar year.
- ACB refers to the weighted average price in the U.S. corn belt.
- CFL refers to Central Florida.

Source: Blue, Johnson and Associates Inc., The Sheet October 2010.

South America

South America Markets

Investing in South America provides an opportunity to grow where agriculture is growing. Our current operations, Profertil and ASP, will allow us to leverage our strengths as we enter new markets. Brazil, Uruguay and Chile are key markets for expansion in South America beyond our Argentinian base. In 2009, we continued to grow by opening two retail farm branches in Uruguay. In 2010, ASP acquired 24 retail outlets and a formulation plant in from DuPont in Argentina.

Argentina

Argentina is the second largest producer of crops in South America. Argentina has approximately 28 million hectares of arable land. The three major crops produced in Argentina are corn, wheat and soybeans. Fertilizer consumption in 2009 was 6.8, 5.8 and .025 million metric nutrient tonnes of nitrogen, phosphate and potash, respectively. From 2010 to 2015, Argentina's annual growth rate for total nitrogen, phosphate and potash consumption is estimated to be approximately 3 percent. Agrium entered Argentina in 2000 as a joint venture project with Repsol YPF SA.

Brazil

Brazil is one of the largest fertilizer import markets in the world. It is also one of the fastest growing markets in the world, with an projected 8 percent compound annual growth rate between 2010 and 2015. Brazil has the fourth highest consumption of crop nutrients in the world and is the world's third largest import market. Fertilizer consumption in 2010 is estimated to be nine million nutrient tonnes, 6 percent of the world's consumption. Looking forward, Brazil is one of the few countries in the world with the land base and favourable climate to facilitate continued expansion of a cultivated land base. Growth in seeded areas and yields is expected to increase Brazil's agricultural production steadily for the foreseeable future.

Brazil is expected to build on and enhance its production and export leadership of several agricultural products including sugarcane, corn, soybeans, beef, oranges, coffee and poultry.

Agrium South America Retail

ASP (Agroservicios Pampeanos) is a wholly owned subsidiary of Agrium with close to 400 employees serving farmers through Farm Centers that supply inputs and services in Argentina and Chile. Products include fertilizers, chemicals, and seed. ASP expanded into Uruguay in 2009 with two farm centers built to expand Agrium's South American presence.

ASP Chile is involved primarily in the distribution of private label chemical products to retail facilities.

Products

Granulated Urea
Diammonium Phosphate (DAP)
Monammonium Phosphate (MAP)
Granulated Ammonium Sulphate

Source: CRU, Ammonia Ten Year Outlook 2008/09 (Update 2), October 2010.
CRU, Phosphoric Acid, DAP, MAP and TSP Ten Year Forecast to 2016 (Update 2), October 2010.
Fertecon, Potash Outlook, July 2010.

Agrium South America Retail

Agroservicios Pampeanos

(September 2010)

	Argentina	Chile	Uruguay
Farm Centers	43	0	2
Chemical Formulation Plant	1	0	0
Fertilizer Plant	1	0	0
Satellites	3	0	0
Chemical Storage Warehouse	1	2	0
Total	**49**	**2**	**2**

Argentina

(49 facilities, 4 offices in Argentina)

b

Buenos Aires Prov.

(23 locations)

Alberdi
America
Balcarce
Bolivar
Colonia Hinojo
Colonel Suárez
El Arbolito
French
Gardey
General Villegas
Junín (Central Division Office)
Lincoln
Martinez (Headquarter Office)
Mechita
O-Higgins

b

Buenos Aires Prov.

continued

Olavarria Fertilizer Plant
Pieres
Salto
San Antonio de Areco
Tandil (South Division Office)
Tres Arroyos
30 de Agosto
Trenque Lauquen*

c

Cordoba Prov.

(11 locations)

La Carlota
Cnel. Baigorria

c

Cordoba Prov.

continued

Colonia Bismark
General Roca
General Cabrera
Jesus Maria
Laboulaye
Laguna Larga
Monte Buey*
Rio Cuarto*
Villa Maria

e

Entre Rios Prov.

(4 locations)

Gualeguay

e

Entre Rios Prov.

continued

Parana
Victoria
Villaguay

m

Mendoza Prov.

(1 location)

Cuyo

p

La Pampa Prov.

(1 location)

General Pico

s

Salta Prov.

(3 locations)

Embarcacion
Las Lajitas
Salta

Santa Fe Prov.

(9 locations)

La California
Casilda
Chapuy
Casilda (Chemical Warehouse and Chemical Forulation Plant)
Galvez
Peyrano
Rafaelo
Rosario (North Division Office)
San Genaro

Chile

(2 facilities; 1 Head Office)

s

Santiago de Chile (Head Office)

s

La Serena

t

Temuco

Uruguay

(2 facilities)

d

Dolores

y

Young

Agroservicios Pampeanos – 53 facilities in South America

* Satellites

Agrium South America Retail Locations

● Agroservicios Pampeanos (ASP)

Agrium South America Wholesale

Agrium began commercial production at the Profertil plant in Bahia Blanca, Argentina in the third quarter of 2000. Agrium owns 50 percent of Profertil while Repsol YPF, S.A., one of the leading oil and gas companies in the world, owns the other half.

Production Capacity

(metric product tonnes per year)

Nitrogen Based Fertilizers:

Argentina

Bahia Blanca (Profertil S.A.)[1]	
Ammonia *(gross)*	750,000
Ammonia *(net)*	70,000
Urea	1,200,000

Agrium Owned Distribution Facilities

(metric product tonnes per year)

Argentina [1]

	Urea	NH_3	Liquid
Bahia Blanca	150,000	20,000	
San Nicolas	77,000		45,000
Total Argentina	**227,000**	**20,000**	**45,000**

(1) Profertil S.A. is 50 percent owned by Agrium Inc. and 50 percent owned by Repsol YPF, S.A., figures shown represent total production.
Source: Agrium

Agrium South America Wholesale Production and Distribution Locations

- Nitrogen Production Facility
- Anhydrous Ammonia Storage
- Solution Storage
- Dry Storage

Annual Capacity

('000 metric nutrient tonnes per year)

(Currency figures are in US$ millions, except where noted)

	N	P	K
Caribbean Nitrogen Company Ltd.	1,066	-	-

- Private Company
- Headquarters: Point Lisas, Trinidad
- Facilities located in: Trinidad

Chemical and Mining Company of Chile Inc.[1]	-	-	910

- Public company, traded on NYSE, ticker symbol: SQM
- FY2009 EBITDA: $593.7
- Website address: www.sqm.cl
- Headquarters: Santiago, Chile
- Facilities located in: Chile, United States, Mexico, Belgium, Netherlands, Turkey, UAE, France

Copebras Ltda	-	281	-

- Private Company, 73 percent controlling stake owned by Anglo American plc.
- Website address: www.angloamerican.com
- Headquarters: Bela Vista, Brazil
- Facilities located in: Brazil

Petrobras[1]	859	119	-

- Public company, traded on BASE, ticker symbol: PESA
- FY2009 EBITDA: $653.1
- Website address: www.petrobrasenergia.com
- Headquarters: Buenos Aires, Argentina
- Facilities located in: Argentina

Vale S.A.	406[2]	634[3]	510

- Public company, traded on BOVESPA, ticker symbol: VALE5
- Primarily a nickel production company; recently acquired Bunge Ltd. fertilizer operations in Brazil.
- FY2009 EBITDA: $11,020.3
- Website address: www.vale.com
- Headquarters: Rio de Janeiro, Brazil
- Fertilizer facilities located in: Brazil, Canada, Peru, Argentina and Mozambique

(1) The major stock exchange is listed, some companies are listed on multiple stock exchanges.
(2) Vale's nitrogen annual capacity includes newly acquired interest in Fosfertil (78.9%).
(3) Vale's phosphate annual capacity includes their interest in Bunge (100%) and in Fosfertil (78.9%).
Source: Company Websites
www.CapitalIQ.com, a division of Standard & Poors.
IFDC Worldwide Ammonia Capacity Listing by Plant, June 2010.
IFDC Worldwide Phosphoric Acid Capacity Listing by Plant, June 2010.
IFDC Worldwide Potash Capacity Listing by Plant, June 2010.

Crop Production - Argentina

	Area Harvested (millions ha)	Yield (tonnes/ha)	Production (millions tonnes)
Corn *(seed December, harvest April)*			
2010/11(p)	3.20	7.81	25.00
2009/10(e)	2.70	8.33	22.50
2008/09	2.50	6.00	15.00
2007/08	3.41	6.45	22.00
2006/07	2.80	8.04	22.50
2005/06	2.40	6.50	15.80
2004/05	2.80	7.40	20.50
2003/04	2.30	6.50	15.00
2002/03	2.40	6.30	15.50
Soybean *(seed November, harvest May)*			
2010/11(p)	18.00	2.78	50.00
2009/10(e)	18.60	2.93	54.50
2008/09	16.00	2.00	32.00
2007/08	16.37	2.82	46.20
2006/07	16.30	2.99	48.80
2005/06	15.20	2.66	40.50
2004/05	14.40	2.70	39.00
2003/04	14.00	2.40	33.00
2002/03	12.60	2.80	35.50
Wheat *(seed June, harvest January)*			
2010/11(p)	4.30	2.79	12.00
2009/10(e)	3.50	3.00	10.50
2008/09	5.12	1.97	10.10
2007/08	6.00	3.00	18.00
2006/07	5.29	2.87	15.20
2005/06	5.00	2.90	14.50
2004/05	6.10	2.62	16.00
2003/04	5.70	2.46	14.00
2002/03	5.90	2.08	12.30

(e) estimated
(p) projected
Source: USDA, WAP 10-10, October 2010.

Crop Production - Brazil

	Area Harvested (millions ha)	Yield (tonnes/ha)	Production (millions tonnes)
Corn *(seed November, harvest March)*			
2010/11(p)	12.75	4.00	51.00
2009/10(e)	12.93	4.34	56.10
2008/09	14.10	3.62	51.00
2007/08	14.70	3.99	58.60
2006/07	14.00	3.64	51.00
2005/06	12.90	3.20	41.70
2004/05	11.60	3.00	35.00
2003/04	12.40	3.40	42.00
2002/03	13.00	3.40	44.50
Soybean *(seed November, harvest May)*			
2010/11(p)	24.10	2.78	67.00
2009/10(e)	23.50	2.94	69.00
2008/09	21.70	2.66	57.80
2007/08	21.30	2.86	61.00
2006/07	20.70	2.85	59.00
2005/06	22.23	2.56	57.00
2004/05	22.90	2.30	53.00
2003/04	21.50	2.40	50.50
2002/03	18.40	2.90	52.50

(e) estimated
(p) projected
Source: USDA, WAP 10-10, October 2010.

Fertilizer Consumption in Argentina, Brazil and Chile

('000 metric nutrient tonnes per year)

	Primary Nutrient Consumption			
	N	**P_2O_5**	**K_20**	**Total**
Brazil				
2010(p)	1,142	2,942	3,700[(1)]	7,784
2009	1,130	2,675	3,149	6,954
2008	1,233	3,110	3,689	8,032
2007	1,273	3,659	4,175	9,107
2006	1,273	3,149	3,460	7,882
2995	1,221	2,820	3,426	7,467
2004	1,135	3,773	3,911	8,819
Argentina				
2010(p)	681	632	30[(1)]	1,343
2009	752	574	25	1,326
2008	443	638	20	1,101
2007	503	686	37	1,226
2006	680	743	55	1,478
2005	578	469	48	1,095
2004	609	508	40	1,157
Chile				
2010(p)	212	150	95	457
2009	185	144	90	419
2008	172	160	89	421
2007	157	171	110	438
2006	168	143	95	406
2005	117	140	86	343
2004	139	162	78	379

(p) projected
(1) 2009 potash consumption forecasted.
Source: CRU, Ammonia Ten Year Outlook 2008/09 (Update 2), March 2010, CRU, Ammonia Ten Year Outlook 2008 (Update 2), March 2008.
CRU, Phosphoric Acid, DAP, MAP and TSP Ten Year Forecast to 2016 (Update 2), May 2010, CRU, Phosphoric Acid, DAP, MAP and TSP Ten Year Forecast to 2015 (Update 2), May 2007.
Fertecon, Potash Outlook, April 2010.

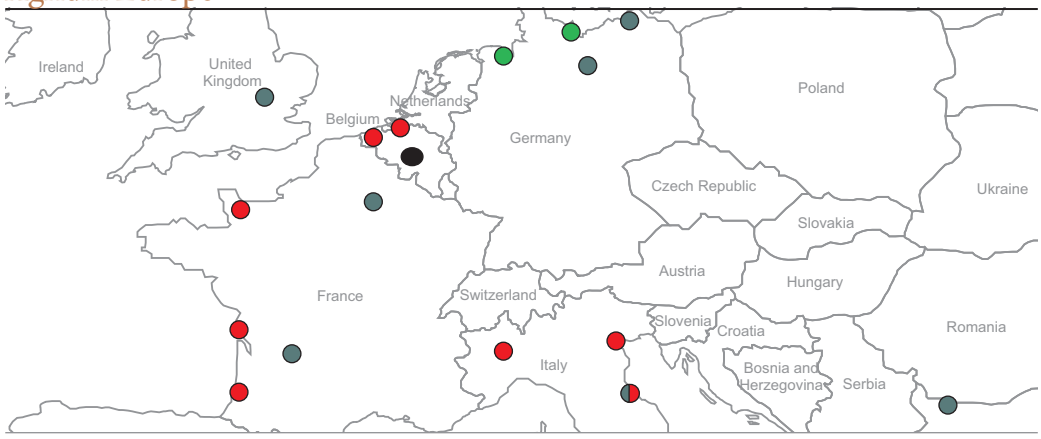
Europe

European Markets

Europe consumed approximately 40 million tonnes of fertilizer in 2009[1]. In the EU-27[2][3], there are approximately 92 million hectares of arable land, of which approximately 40 percent is cereals and 15 percent is oilseeds. Europe produces a diversity of crops and engages in differing agricultural practices due to variety in climate and fertilization patterns across the continent. The EU-15[3] is a growth market for environmentally friendly crop nutrient and crop protection products. In contrast, the countries in the EU-12[2] and Eastern Europe[3] are less mature in terms of application rates of nitrogen, phosphate and potash. Fertilizer consumption in the EU-12 and Eastern Europe is expected to grow annually at 1 and 2 percent respectively between 2009 and 2015.

In July of 2008, Agrium acquired a 70 percent interest in Common Market Fertilizers (CMF), a European fertilizer distribution company. Agrium purchased the remaining 30 percent of CMF in July 2010 and CMF is now called Agrium Europe. Agrium Europe employs approximately 70 people and has seven sales offices in six different countries. Agrium Europe purchases, distributes and sells about 2.5 million metric tonnes of a wide range of nitrogen, phosphate and potash fertilizers per year, provides custom blending, bagging and palletizing services and has access to key dry and liquid storage facilities. Agrium Europe is able to leverage the value from our Egyptian Nitrogen facility and provides a platform of international growth for our controlled release fertilizers.

Agrium Europe



Leased Warehouse Owned Warehouse Subsidiary/Sales Office Head Office

Belgium
(3 locations)
Antwerpen
Brussels
Ghent

Bulgaria
(1 location)
Pleven

France
(5 locations)
Angoulême
Bordeaux/Blaye
La Pallice
Reims Cedex
Rouen

Germany
(4 locations)
Buchholz i.d.N
Emden
Lubeck
Rostock

Italy
(3 locations)
Porto Nogaro
Ravenna
Savona

United Kingdom
(1 location)
London

(1) Fertilizer consumption is based on nitrogen, phosphate and potash from Western Europe EU15, Central Europe EU12 and Eastern Europe (Former Soviet Union).

(2) EU-15: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden, and the United Kingdom.
EU-12: Bulgaria, Cyprus, Czech Republic, Estonia, Hungary, Latvia, Lithuania, Malta, Poland, Romania, Slovakia and Slovenia.

(3) Eastern Europe (Former Soviet Union): Armenia, Azerbaijan, Belarus, Estonia, Georgia, Kazakhstan, Kirghizia, Latvia, Lithuania, Moldavia, Russia, Tajikistan, Turkmenistan, Former USSR, Ukraine and Uzbekistan.

Source: CRU, Ammonia Ten Year Outlook 2008/09 (Update 2), March 2010.
CRU, Phosphoric Acid, DAP, MAP and TSP Ten Year Forecast to 2016 (Update 2), May 2010.
Fertecon, Potash Outlook, June 2010.

Annual Capacity

('000 metric nutrient tonnes per year)

(Currency figures are in US$ millions, except where noted)

	N	P	K
Ammophos OAO (subsidiary of FosAgro Holding)	-	1,124	-

- Private Company
- Website address: www.ammofos.ru
- Headquarters Cherepovets, Russian Federation
- Plants located in: Russia

Rue PA Belaruskali	-	-	5,465

- Private Company
- Website address: www.kali.by/english
- Headquarters: Soligorsk, Belarus
- Facilities located in: Belarus

K+S Aktiengesellschaft[1]	-	-	4,250

- Public company, traded on DB, ticker symbol: SDF
- FY2009 EBITDA: $538.7
- Website address: www.k-plus-s.com
- Headquarters: Kassel, Germany
- Plants located in: Germany, Poland, Czech Republic, Austria, Great Britain, Netherlands, Belgium, France, Italy, Switzerland, Spain, Portugal, Greece, USA, Mexico, Brazil, Chile, Argentina, South Africa, Singapore

Uralkali JSC	-	-	3,290

- Public company, traded on RTS, ticker symbol: URKA
- FY2009 EBITDA: $536.1
- Website address: www.uralkali.com
- Headquarters: Berezniki, Russia
- Plants located in: Russia

Yara International ASA[1]	6,713[2]	455	-

- Public company, traded on OSE, ticker symbol: YAR
- FY2009 EBITDA: $560.9
- Website address: www.yara.com
- Headquarters: Oslo, Norway
- Plants located in: Norway, Sweden, France, Germany, the Netherlands, Italy, Trinidad and Brazil

Zaklady Azotowe Pulaway S.A.	973	-	-

- Public company, traded on WSE, ticker symbol: ZAP
- FY2009 EBITDA: $140.5
- Website address: www.azoty.pulawy.pl
- Headquarters: Pulawy, Poland
- Plants located in: Poland

(1) The major stock exchange is listed, some are listed on multiple exchanges.

(2) Yara's annual nitrogen capacity includes their interest in Le Harve (47.85%), Tringen (49%), QAFCO (25%), Burrup Holdings (35%), GrowHow UK (50%), Rossosh (37.69%) and Lifeco (50%)

Source: Company websites
www.CapitalIQ.com, a division of Standard and Poors.
IFDC Worldwide Ammonia Capacity Listing by Plant, June 2010.
IFDC Worldwide Phosphoric Acid Capacity Listing by Plant, June 2010.
IFDC Worldwide Potash Capacity Listing by Plant, June 2010.

Crop Production - Europe[1]

	Area Harvested (millions ha)	Yield (tonnes/ha)	Production (millions tonnes)
Barley			
2008	29.16	3.62	105.53
2007	27.30	3.03	82.60
2006	29.76	2.99	88.98
2005	27.99	2.97	83.09
2004	28.88	3.34	96.43
2003	28.94	2.88	83.20
2002	29.13	3.13	91.31
2001	29.24	3.16	92.39
2000	27.58	3.05	84.03
Canola			
2008	8.53	2.74	23.34
2007	8.11	2.51	20.40
2006	6.39	2.73	17.46
2005	5.46	3.02	16.51
2004	5.06	3.19	16.14
2003	4.52	2.54	11.45
2002	4.57	2.63	12.03
2001	4.55	2.64	12.03
2000	4.62	2.54	11.74
Corn			
2008	15.48	6.02	93.14
2007	13.89	5.19	72.08
2006	13.58	5.68	77.23
2005	13.81	3.84	53.05
2004	15.73	6.13	96.52
2003	14.86	4.68	69.60
2002	13.37	5.74	76.71
2001	13.63	5.63	76.72
2000	13.71	4.63	63.51

(1) Europe includes Eastern, Western, Southern and Northern Europe.
Eastern Europe: Belarus, Bulgaria,Czech Republic, Hungary, Poland, Republic of Moldova, Romania, Russian Federation, Slovakia, Ukraine, USSR.
Northern Europe: Channel Islands, Denmark, Estonia, Faeroe Islands, Finland, Iceland, Ireland, Isle of Man, Latvia, Lithuania, Norway, Sweden, United Kingdom of Great Britain and Northern Ireland.
Southern Europe: Albania, Andorra, Bosnia and Herzegovina, Croatia, Gibraltar, Greece, Holy See, Italy, Malta, Montenegro, Portugal, San Marino, Serbia, Slovenia, Spain, The former Yugoslavia Republic of Macedonia, Serbia and Montenegro, Yugoslav SFR
Western Europe: Austria, Belgium, France, Germany, Liechtenstein, Luxembourg, Monaco, Netherlands, Switzerland, Belgium-Luxembourg.

Source: FAO Website, Crop Production Statistics, updated December 2009.

Crop Production - Europe[1]

	Area Harvested (millions ha)	Yield (tonnes/ha)	Production (millions tonnes)
Sunflower Seeds			
2008	14.53	1.51	21.97
2007	12.12	1.25	15.21
2006	14.31	1.38	19.78
2005	13.24	1.36	17.97
2004	12.36	1.26	15.57
2003	13.54	1.21	16.32
2002	10.43	1.25	13.03
2001	9.75	1.09	10.65
2000	11.32	1.17	13.26
Wheat			
2008	61.60	4.03	248.06
2007	56.13	3.38	189.66
2006	55.30	3.47	191.71
2005	59.61	3.50	208.42
2004	56.99	3.86	219.79
2003	48.55	3.17	153.69
2002	60.30	3.51	211.76
2001	58.37	3.46	202.01
2000	55.28	3.32	183.60

(1) Europe includes Eastern, Western, Southern and Northern Europe.
Eastern Europe: Belarus, Bulgaria,Czech Republic, Hungary, Poland, Republic of Moldova, Romania, Russian Federation, Slovakia, Ukraine, USSR.
Northern Europe: Channel Islands, Denmark, Estonia, Faeroe Islands, Finland, Iceland, Ireland, Isle of Man, Latvia, Lithuania, Norway, Sweden, United Kingdom of Great Britain and Northern Ireland.
Southern Europe: Albania, Andorra, Bosnia and Herzegovina, Croatia, Gibraltar, Greece, Holy See, Italy, Malta, Montenegro, Portugal, San Marino, Serbia, Slovenia, Spain, The former Yugoslavia Republic of Macedonia, Serbia and Montenegro, Yugoslav SFR
Western Europe: Austria, Belgium, France, Germany, Liechtenstein, Luxembourg, Monaco, Netherlands, Switzerland, Belgium-Luxembourg.

Source: FAO Website, Crop Production Statistics, updated December 2009.

Fertilizer Consumption in Europe - Top Five Countries

('000 metric nutrient tonnes per year)
**Includes West and Central Europe*

Year	Primary Nutrient Consumption N	P_2O_5	K_20	Total
Germany				
2009	2,450	268	150	2,868
2008	2,887	298	179	3,364
2007	2,850	317	511	3,678
2006	2,775	247	443	3,465
2005	2,203	274	426	2,903
2004	2,182	356	480	2,964
2003	2,329	344	486	3,159
2002	2,004	391	475	2,870
Poland				
2009	1,830	400	250	2,480
2008	1,876	435	300	2,611
2007	2,020	462	537	3,019
2006	1,870	265	502	2,637
2005	1,514	304	425	2,243
2004	1,444	346	404	2,194
2003	1,414	320	389	2,123
2002	1,194	303	377	1,874
France				
2009	1,396	536	360	2,292
2008	1,362	595	390	2,347
2007	1,420	633	794	2,847
2006	1,355	583	731	2,669
2005	1,405	594	735	2,734
2004	1,275	683	900	2,858
2003	1,292	810	932	3,034
2002	1,262	784	960	3,006
Netherlands				
2009	1,692	33	55	1,780
2008	1,524	37	60	1,621
2007	1,755	39	78	1,872
2006	1,572	51	78	1,701
2005	1,269	102	77	1,448
2004	1,308	42	77	1,427
2003	1,411	53	76	1,540
2002	1,407	54	75	1,536
Belgium/Luxembourg				
2009	1,191	44	65	1,300
2008	1,348	49	68	1,465
2007	1,405	51	76	1,532
2006	1,400	42	77	1,519
2005	1,104	42	78	1,224
2004	1,069	43	79	1,191
2003	1,019	42	80	1,141
2002	886	46	80	1,012

Source: CRU, Ammonia Ten Year Outlook 2008/09 (Update 2), March 2010.
CRU, Phosphoric Acid, DAP, MAP and TSP Ten Year Forecast to 2016 (Update 2), May 2010.
Fertecon, Potash Outlook, April 2010.

Asia and parts of the Pacific Rim

China

China has the largest population in the world, with over 1.3 billion residents representing 20 percent of the global population. China has 9 percent of the world's arable land at approximately 121 million hectares. China has the largest agricultural production in the world by volume. China is the world's largest fertilizer market, accounting for nearly 30 percent of the world's demand. Rising annual incomes of China's population are driving an improvement in diets and increasing the amount of grain, dairy, and meat consumed in China. Over the next ten to fifteen years there will be an increased demand both on China's arable land and global crop nutrients as industrialization accelerates China's cropland loss.

Our 19.5 percent investment in Hanfeng Evergreen Inc. allows Agrium to leverage off our expertise in the specialty fertilizer business and provides a platform for future growth in the important Chinese fertilizer and agriculture market.

India

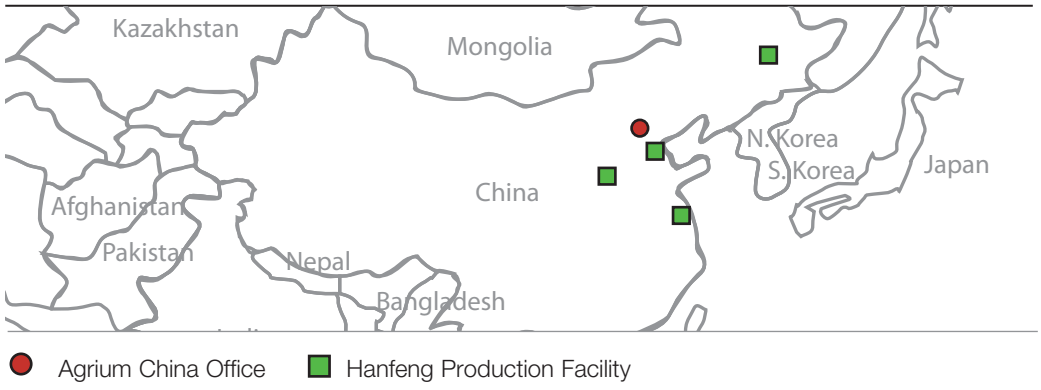
Forecasts indicate that by 2025 India will become the 5th largest consumer economy in the world. While urbanization is not developing at similar rates compared to other parts of Asia, urban population is expected to grow significantly. With this, comes a rising middle-class which is expected to outnumber China over the next 10 years. The shift towards a protein rich diet, associated with a growing middle class will require an increase in agricultural production. Increasing agricultural production will increase demand for crop nutrients.

India has approximately 145 million hectares of arable land. The major crops in India are rice paddy, wheat and millet. Fertilizer consumption in 2009 was 11.6 million metric tonnes, 5.8 million metric tonnes and 3.4 million metric tonnes for nitrogen, phosphate and potash, respectively. From 2010 to 2015, India's annual growth rate for total nitrogen, phosphate and potash consumption estimated to be 1.2 percent, 3.4 percent and 3.3 percent respectively.

Australia

The $40-billion farm sector in Australia produces a variety of crops including grains, vegetables, sugar cane and pasture land for livestock. With a relatively small population of 22 million, Australia is a key exporter of wheat and barley into Asia and the Middle East. The three basic categories of fertilizers (nitrogen, phosphate and potash) are all used as crop inputs in Australia. Demand for specialty products has increased in recent years and many suppliers now offer such products to suit the specific purposes of individual end users. Australian fertilizer demand growth is expected to be similar to other mature markets such as North America, and relatively flat compared to historic trends. Fertilizer consumption in recent years has been below historical trend levels due to drought conditions, allowing for a potential bounce back through higher short-term growth rates.

Asia and Parts of the Pacific Rim



Source: CRU, Ammonia Ten Year Outlook 2008/09 (Update 2), March 2010.
CRU, Phosphoric Acid, DAP, MAP and TSP Ten Year Forecast to 2016 (Update 2), May 2010.
Fertecon, Potash Outlook, April 2010.

AWB Acquisition

On December 3, 2010 Agrium successfully completed the acquisition of all of the shares of AWB Limited ("AWB") for a value of $1.50 per share, for a total price of approximately AUD $1.2 billion. AWB is Australia's leading agribusiness company and employs over 2,200 people. AWB has two primary business streams: Rural Services and Commodity Management. Rural Services consists of Landmark, one of Australia's largest distributors of fertilizer and agricultural products. Commodity Management provides services and products for the marketing of agriculture commodities; this business stream consists of Australia Commodity Management ("ACM") and International Commodity Management ("ICM"). AWB is able to provide services across the value chain through these segments by leveraging its established touch points with rural communities in Australia and its relationships with key suppliers and customers globally.

This acquisition will allow Agrium to continue our strategy of growing our retail business. The acquisition of AWB provides Agrium with significant potential to enhance product and services to growers in Australia and New Zealand, particularly through the Landmark division, by utilizing our international and fertilizing crop protection sourcing capabilities. Through AWB's expertise and experience in its Landmark retail operations, there is the potential to expand Agrium's products and service offerings in North and South America. AWB's longstanding reputation amongst Australian growers, complements Agrium's global business and provide a stronger platform for Agrium's growth, particularly in the South East Asian region.

Rural Services (Landmark)

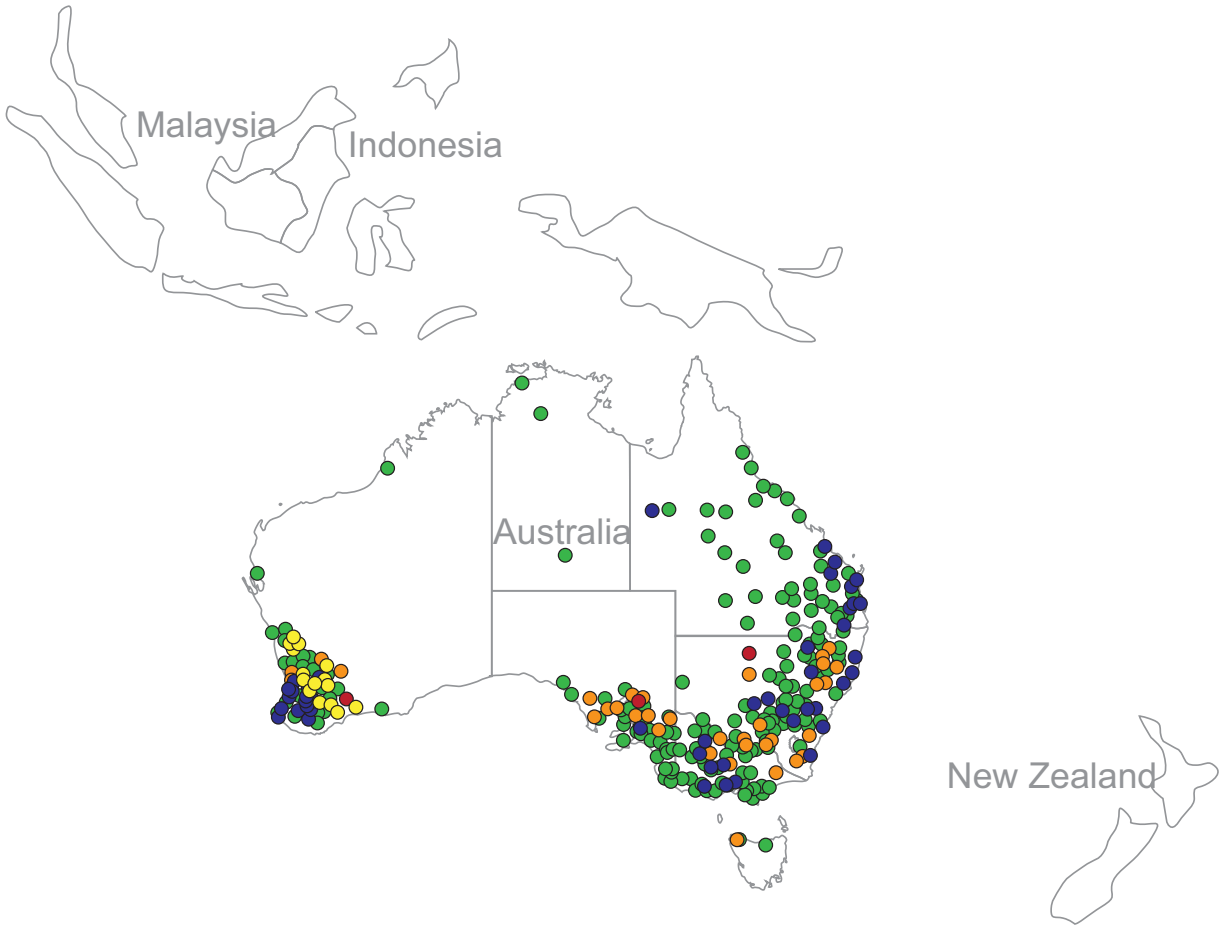
- Provides a wide range of agribusiness to customers
- Australia's largest distributor of fertilizer and crop chemicals
- Advisory services: agronomic, animal nutrition and whole farm planning
- Joint Venture with Fonterra Co-operative Group to operate RDI, New Zealand dairy retailer
- Over 400 outlets across Australia and New Zealand
- FY2010 Net Sales $1674.8
- FY2010 EBITDA $69.0

Commodity Management

- Includes ACM and ICM, operates in Grain Marketing, Logistics, Pool Management and Harvest Financing
- FY2010 Net Sales $3906.5
- FY2010 EBITDA $80.4

(1) Note: AWB's fiscal year ends September 30
Source: Scheme Booklet
Company Websites

AWB Locations



- Company Owned
- Joint Venture
- Profit Share
- Franchise
- Branded Members

Annual Capacity

('000 metric nutrient tonnes per year)

(Currency figures are in US$ millions, except where noted)

	N	P	K
China Blue Chemical Ltd. (CNOOC)[1]	861	408[2]	-

- Public Company, traded on SEHK, ticker symbol: 3983
- FY2009 EBITDA: $294.9
- Website address: www.chinabluechem.com.cn
- Headquarters: Dongfang city, Hainan Province, China
- Facilities located in: China and Inner Mongolia

Incitec Pivot Ltd.[1]	402	507	-

- Public Company, traded on ASX, ticker symbol: IPL
- FY2009 EBITDA: $481.0
- Website address: www.incitecpivot.com.au
- Headquarters: Southbank, Australia
- Facilities located in: United States, Canada, Mexico and Australia

Indian Farmers Fertiliser Co-operative Ltd. (IFFCO)	1,977	845	-

- Private Co-operative
- Website address: www.iffco.nic.in
- Headquarters: New Delhi, India
- Facilities located in: India

National Fertilizers Limited (NFL)[1]	1,568	-	-

- Public Company, traded on BSE, ticker symbol: 523630
- FY2009 EBITDA: $75.7
- Website address: www.nationalfertilizers.com
- Headquarters: Noida, India
- Facilities located in: India

Qinghai Salt Lake Potash Co. Ltd.	-	-	1,225

- Pubic Company, traded on SZSE, ticker symbol: 000792
- FY2009 EBITDA: $397.7
- Website address: www.saltlakepotash.com
- Headquarters: Geermu, China
- Facilities located in: China

SINOFERT Holdings Ltd.[1]	820[3]	-	227[4]

- Public Company, traded on SEHK, ticker symbol: 0297
- FY2009 EBITDA: $245.6
- Website address: www.sinofert.com/en
- Headquarters: Wanchai, Hong Kong
- Facilities located in: China

(1) The major stock exchanges is listed, some are listed on multiple exchanges.
(2) China Blue Chemical's annual phosphate capacity includes their interest in Hubei Mine (83.17%).
(3) Sinofert Holdings Ltd. annual nitrogen capacity only includes 100% owned capacity.
(4) Sinofert's potash capacity includes their interest in Qinghai Salt Lake Potash Co. Ltd. (18.49%).

Source: Company Websites.
www.CapitalIQ.com, a division of Standard & Poors.
IFDC Worldwide Ammonia Capacities, June 2010.
IFDC Worldwide Phosphoric Acid Capacities, June 2010.
IFDC Worldwide Potash Capacities, June 2010.

Crop Production - Asia[1]

	Area Harvested (millions ha)	Yield (tonnes/ha)	Production (millions tonnes)
Corn			
2008	52.17	4.55	237.56
2007	49.44	4.29	212.15
2006	47.95	4.28	205.04
2005	46.23	4.15	191.95
2004	44.57	4.05	180.36
2003	42.81	3.82	163.52
2002	42.12	3.85	162.25
2001	41.86	3.72	155.89
2000	40.88	3.57	145.93
Rice Paddy			
2008	141.96	4.39	622.68
2007	139.20	4.31	599.87
2006	138.47	4.19	580.30
2005	137.02	4.17	570.88
2004	133.52	4.10	546.81
2003	132.70	3.99	529.93
2002	132.22	3.89	514.76
2001	136.32	3.99	544.12
2000	137.98	3.95	545.05
Seed Cotton			
2008	20.73	2.19	45.34
2007	20.88	2.31	48.32
2006	20.73	2.14	44.31
2005	20.05	1.98	39.75
2004	20.84	1.97	41.15
2003	18.66	1.72	32.03
2002	17.63	1.69	29.87
2001	20.16	1.62	32.66
2000	18.72	1.57	29.30
Wheat			
2008	84.48	2.97	251.11
2007	84.02	3.01	252.73
2006	83.85	2.92	244.88
2005	83.52	2.77	231.65
2004	81.59	2.75	224.06
2003	80.29	2.66	213.66
2002	82.75	2.69	222.20
2001	81.31	2.67	217.27
2000	84.62	2.68	226.38

(1) Asia is divided into Southern, South-Eastern, Central and Eastern Asia.
Southern Asia: Afghanistan, Bangladesh, Bhutan, India, Islamic Republic of Iran, Maldives, Nepal, Pakistan, Sri Lanka.
South-Eastern Asia: Brunei Darussalam, Cambodia, Indonesia, Lao People's Democratic Republic, Malaysia, Myanmar, Philippines, Singapore, Thailand, Timor-Leste, Vietnam.
Central Asia: Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan.
Eastern Asia: China, Hong Kong Special Administrative Region of China, Macao Special Administrative Region of China, China mainland, China, Taiwan Province, Democratic People's Republic of Korea, Japan, Mongolia, Republic of Korea.

Source: FAO Website, crops production statistics, updated December 2009.

Crop Production -Australia and New Zealand

	Area Harvested (millions ha)	Yield (tonnes/ha)	Production (millions tonnes)
Barley			
2008	4.55	1.59	7.23
2007	4.46	1.41	6.28
2006	4.23	1.07	4.53
2005	4.46	2.20	9.79
2004	4.70	1.71	8.04
2003	4.54	2.37	10.76
2002	3.94	1.09	4.31
2001	3.78	2.29	8.65
2000	3.51	2.01	7.05
Canola			
2008	1.17	1.38	1.62
2007	1.06	1.00	1.07
2006	1.05	0.55	0.58
2005	0.98	1.47	1.44
2004	1.38	1.12	1.55
2003	1.21	1.41	1.71
2002	1.30	0.67	0.88
2001	1.33	1.32	1.76
2000	1.46	1.22	1.78
Oats			
2008	0.92	1.40	1.29
2007	0.90	0.96	0.87
2006	1.01	0.77	0.78
2005	0.94	1.83	1.71
2004	0.90	1.45	1.31
2003	1.09	1.87	2.05
2002	0.92	1.08	0.99
2001	0.79	1.85	1.46
2000	0.66	1.65	1.09

Source: FAO Website, Crops Production Statistics, updated December 2009.

Crop Production - Australia and New Zealand

	Area Harvested (millions ha)	Yield (tonnes/ha)	Production (millions tonnes)
Sorghum			
2008	0.85	3.63	3.07
2007	0.61	2.09	1.29
2006	0.77	2.52	1.94
2005	0.76	2.66	2.01
2004	0.74	2.74	2.01
2003	0.67	2.20	1.47
2002	0.82	2.46	2.02
2001	0.76	2.55	1.94
2000	0.62	3.40	2.12
Wheat			
2008	13.59	1.60	21.74
2007	12.39	1.08	13.38
2006	11.84	0.94	11.08
2005	12.50	2.04	25.49
2004	13.44	1.65	22.22
2003	13.11	2.02	26.45
2002	11.21	0.93	10.43
2001	11.58	2.13	24.66
2000	12.19	1.84	22.43

Source: FAO Website, Crops Production Statistics, updated June 2010.

Fertilizer Consumption in Asia - Top Five Countries

('000 metric nutrient tonnes per year)

Year	Primary Nutrient Consumption N	P_2O_5	K_20	Total
China				
2009	42,341	11,964	4,250	58,555
2008	41,185	11,260	4,750	57,195
2007	41,967	11,490	5,800	59,257
2006	40,219	11,858	5,600	57,677
2005	30,072	12,557	5,700	48,329
2004	27,583	10,177	4,800	42,560
2003	24,709	10,258	4,257	39,224
2002	23,708	8,952	3,914	36,574
India				
2009	11,588	5,545	3,200	20,333
2008	10,840	5,405	3,313	19,558
2007	11,265	5,515	2,636	19,416
2006	11,678	5,543	2,335	19,556
2005	9,365	4,828	2,413	16,606
2004	9,944	4,786	2,061	16,791
2003	9,104	4,400	1,598	15,102
2002	9,170	4,219	1,601	14,990
Indonesia				
2009	3,365	455	675	4,495
2008	3,432	479	800	4,711
2007	3,131	510	930	4,571
2006	3,050	566	800	4,416
2005	2,420	673	750	3,843
2004	2,310	304	750	3,364
2003	2,205	266	600	3,071
2002	2,182	207	450	2,839
Pakistan				
2009	2,606	563	15	3,184
2008	2,631	592	22	3,245
2007	2,528	630	31	3,189
2006	2,541	829	36	3,406
2005	1,989	988	45	3,022
2004	1,932	806	33	2,771
2003	1,828	651	28	2,507
2002	1,794	649	21	2,464
Japan				
2009	1,190	421	270	1,881
2008	1,183	438	343	1,964
2007	1,260	466	347	2,073
2006	1,264	381	358	2,003
2005	987	416	360	1,763
2004	1,277	411	347	2,035
2003	1,027	422	336	1,785
2002	1,041	181	339	1,561

Source: CRU, Ammonia Ten Year Outlook 2008/09 (Update 2), March 2010.
CRU, Phosphoric Acid, DAP, MAP and TSP Ten Year Forecast to 2016 (Update 3), July 2010.
Fertecon, Potash Outlook, April 2010.

Fertilizer Consumption in Parts of the Pacific Rim

('000 metric nutrient tonnes per year)

Year	Primary Nutrient Consumption N	P_2O_5	K_20	Total
Australia				
2009	1,073	787	135	1,995
2008	959	884	215	2,058
2007	930	982	227	2,139
2006	982	864	222	2,068
2005	894	1,026	222	2,142
2004	835	1,209	255	2,299
2003	790	1,156	235	2,181
2002	839	1,153	235	2,227
New Zealand				
2009	115	313	98	526
2008	107	348	98	553
2007	111	387	123	621
2006	125	430	135	690
2005	108	430	140	678
2004	121	507	163	791
2003	124	481	157	762
2002	107	457	163	727

Source: CRU, Ammonia Ten Year Outlook 2008/09 (Update 2), March 2010.
CRU, Phosphoric Acid, DAP, MAP and TSP Ten Year Forecast to 2016 (Update 3), July 2010.
Fertecon, Potash Outlook, April 2010.

Australia Crops: Supply and Use

(millions of bushels and millions acres)

Year	Begin Stocks	Area Harvested	Yield (bu/ac)	Produced	Total Supply	Total Dom Use	Imports	Exports	End Stocks
Barley									
2010/11	111	10	11	349	460	152	-	188	68
2009/10	111	11	10	381	492	156	-	174	111
2008/09	76	12	6	367	444	138	-	149	111
2007/08	45	12	4	329	374	96	-	155	76
2006/07	119	10	11	195	314	133	-	85	45
2005/06	86	11	8	435	521	115	-	242	119
2004/05	87	11	8	355	442	115	-	196	86
2003/04	44	11	4	477	521	99	-	294	87
2002/03	81	10	8	177	259	80	-	91	44
Wheat									
2010/11	169	33	5	845	1,018	151	4	588	164
2009/10	132	34	4	827	963	147	5	533	169
2008/09	134	33	4	787	925	138	4	542	132
2007/08	145	31	5	499	648	129	4	275	134
2006/07	344	29	12	398	745	173	3	321	145
2005/06	245	31	8	925	1,173	136	3	588	344
2004/05	199	33	6	805	1,006	118	3	541	245
2003/04	117	32	4	960	1,080	118	3	662	199
2002/03	295	27	11	372	678	125	10	336	117

(e) estimated
(p) projected
Source: USDA-WASDE-487, October 8, 2010.

Fertilizer Application Rates- Australia

('000 metric nutrient tonnes)

	N	P	K	Total
Wheat				
% total fertilizer use	31%	29%	13%	
Quantity	263	284	28	575
Other Course Grains				
% total fertilizer use	24%	24%	6%	
Quantity	207	236	13	456
Sugar Canes				
% total fertilizer use	8%	3%	20%	
Quantity	70	31	44	145
Fruits and Vegetables				
% total fertilizer use	8%	5%	24%	
Quantity	72	48	54	179

Source: IFA Assessment of Fertilizer Use by Crop at the Global Level 2006/06-2007/08

Africa and the Middle East

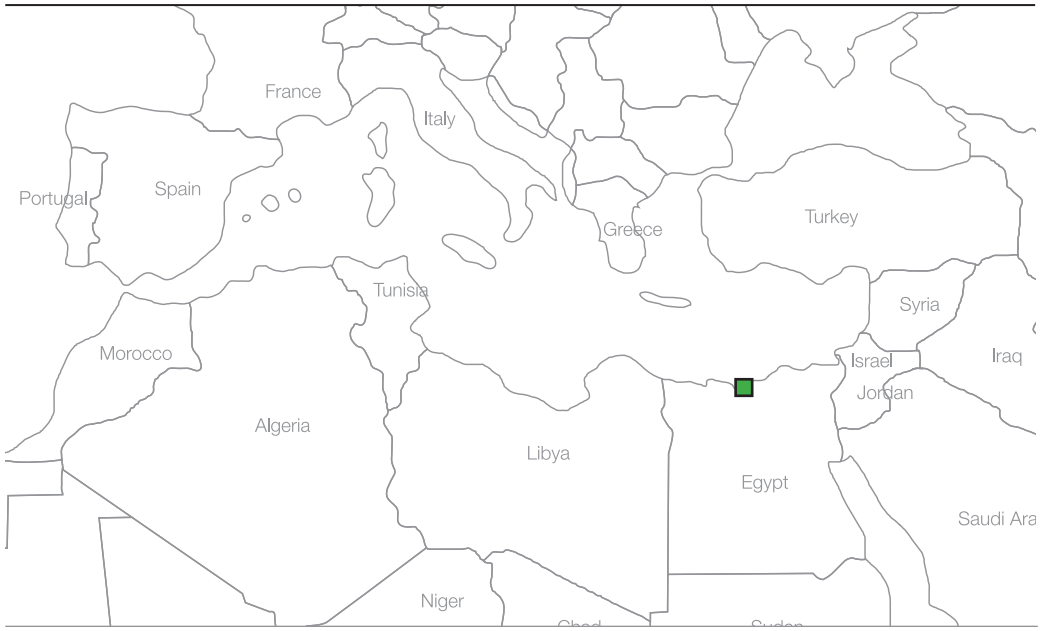
Africa and Middle Eastern Markets

Africa and the Middle East are markets with significant future growth potential. Our ownership interest in the MOPCO nitrogen facility in Egypt provides us with a strong presence in the region. In 2009, these two regions accounted for approximately 3 percent and 4 percent, respectively, of total world nitrogen, phosphate and potash consumption. Africa consumed 5.8 million metric tonnes, and the Middle East consumed 8.9 million metric tonnes. Both Africa and the Middle East's consumption is expected to grow 8 percent annually between 2009 and 2015.

Nitrogen is the predominant nutrient used in crop fertilization in Africa and the Middle East. In 2009, nitrogen accounted for approximately 82 percent of the total nitrogen, phosphate, and potash consumption in both Africa and the Middle East. This region is especially important in production and exports, particularity nitrogen and phosphates. The top nitrogen consuming countries are Egypt, Iran, Oman, Qatar and Saudi Arabia. The top five producing countries (based on NPK nutrient tonnes) in the region are Egypt, Saudi Arabia, Morocco, Iran and Israel, as Iran, Saudi Arabia, Qatar and Egypt rank among the top 20 countries in the world in production of natural gas. Access to low-cost natural gas is expected to support the continued growth of nitrogen production in the Middle East.

Agriculture contributes significantly to the GDP of Africa and the Middle East. Available arable land in Africa and the Middle East is approximately 153 million hectares and 166 million hectares respectively. The major crops of this region are corn, sorghum, wheat and millet. Corn is the main crop produced in both Africa and the Middle East, with 58.8 million tonnes produced in 2009 and approximately 30.2 million hectares harvested.

Africa and the Middle East



Damietta (MOPCO Nitrogen Production Facility)[1]

(1) Agrium owns a 26 percent interest in MISR Oil Processing Company, S.A.E. (MOPCO) in Egypt.

Source: CRU, Ammonia Ten Year Outlook 2008/09 (Update 3) June 2010.
CRU, Phosphoric Acid, DAP, MAP and TSP Ten Year Forecast to 2016 (Update 3), July 2010.
Fertecon, Potash Outlook, June 2010.
CIA World Factbook.
FAOstat.

Annual Capacity

('000 metric nutrient tonnes per year)

(Currency figures are in US$ millions, except where noted)

	N	P	K
Arab Potash Co. Ltd. (APC)	-	-	1,966[1]
■ Public company, traded on ASE, ticker symbol: APOT ■ FY2009 EBITDA: $263.1 ■ Website address: www.arabpotash.com ■ Headquarters: Amman, Jordan ■ Facilities located in: Jordan			
Israel Chemical Ltd. (ICL)[2]	-	570[3]	2,980[4]
■ Public company, traded on TASE, ticker symbol: ICL ■ FY2009 EBITDA: $1,198.6 ■ Website address: www.icl-group.com ■ Headquarters: Tel Aviv, Israel ■ Facilities located in: Israel, Brazil, China, India, Italy, USA			
Office Chérifien des Phosphates (Groupe OCP)	-	4,137[5]	-
■ Private Company ■ Website address: www.ocpgroup.ma/english/ ■ Headquarters: Casablanca, Morocco ■ Facilities located in: Morocco			
Qatar Fertilizer Company (QAFCO)	1,597	-	-
■ Private Company ■ Website address: www.qafco.com ■ Headquarters: Mesaieed Industrial City, Qatar ■ Facilities located in: Qatar			
Saudi Basic Industries Corporation (SABIC)	1,402[6]	-	-
■ Public company, traded on the Tadawul, ticker symbol:2010 ■ FY2009 EBITDA: $7,887.0 ■ Website address: www.sabic.com ■ Headquarters: Riyadh, Saudi Arabia ■ Facilities located in: Saudi Arabia			

(1) Arab Potash Co.'s capacity includes their subsidiary Kemira Arab Potash Company Ltd. (KEMAPCO).
(2) The major stock exchange is listed, some are listed on multiple exchanges.
(3) ICL's annual phosphate capacity includes their subsidiary Fertilizers and Chemicals Ltd.
(4) ICL's annual potash capacity includes their subsidiary Cleveland Potash Ltd.
(5) OCP's annual capacity includes their interests in Bunge-Maroc (50%), Imacid (50%), Pakistan Maroc Phosphore (50%), Prayon S.A. (50%).
(6) SABIC's annual capacity includes their interests in Al-Jubail Fertilizers Company (50%), National Chemical Fertilizer Company (71.50%), Gulf Petrochemical Industries Co. (33.33%) and Saudi Arabic Fertilizer Company (42.99%).

Source: Company Websites.
www.CapitalIQ.com, a division of Standard & Poors.
IFDC Worldwide Ammonia Capacities, June 2010.
IFDC Worldwide Phosphoric Acid Capacities, June 2010.
IFDC Worldwide Potash Capacities, June 2010.

Crop Production - Africa[1]

	Area Harvested (millions ha)	Yield (tonnes/ha)	Production (millions tonnes)
Cocoa Beans			
2008	5.47	0.53	2.90
2007	5.68	0.50	2.82
2006	5.96	0.49	2.90
2005	5.89	0.48	2.84
2004	5.80	0.48	2.79
2003	5.14	0.48	2.44
2002	4.64	0.46	2.14
2001	4.65	0.45	2.11
2000	5.05	0.47	2.35
Corn			
2008	29.15	1.82	53.20
2007	27.96	1.71	47.74
2006	28.32	1.74	49.20
2005	16.83	3.03	50.98
2004	27.64	1.73	47.94
2003	28.28	1.61	45.53
2002	25.36	1.76	44.75
2001	23.91	1.73	41.36
2000	24.29	1.82	44.28
Millet			
2008	22.42	0.90	20.13
2007	21.33	0.82	17.50
2006	21.32	0.83	17.59
2005	20.51	0.81	16.67
2004	18.66	0.75	14.03
2003	20.54	0.76	15.55
2002	19.86	0.69	13.78
2001	18.90	0.71	13.47
2000	19.60	0.65	12.73
Sorghum			
2008	27.51	0.94	25.79
2007	29.50	0.88	26.07
2006	29.71	0.90	26.70
2005	29.06	0.87	25.15
2004	22.26	0.94	21.04
2003	25.43	0.91	23.16
2002	22.86	0.87	19.86
2001	23.68	0.88	20.88
2000	21.26	0.87	18.41

(1) Africa includes Eastern, Western, Middle, Northern and Southern Africa.
Eastern Africa: Burundi, Comoros, Djibouti, Eritrea, Ethiopia PDR, Kenya, Madagascar, Malawi, Mauritius, Mayotte, Mozambique, Reunion, Rwanda, Seychelles, Somalia, Uganda, United Republic of Tanzania, Zambia and Zimbabwe.
Middle Africa: Angola, Cameroon, Central African Republic, Chad, Congo, Democratic Republic of the Congo, Equatorial Guinea, Gabon, Sao Tome and Principe.
Northern Africa: Algeria, Egypt, Libyan Arab Jamahiriya, Morocco, Sudan, Tunisia, Western Sahara.
Southern Africa: Botswana, Lesotho, Namibia, South Africa, Swaziland.
Western Africa: Benin, Burkina Faso, Cape Verde, Cote d'Ivoire, Gambia, Ghana, Guinea, Guinea-Bissau, Liberia, Mali, Mauritania, Niger, Nigeria, Saint Helena, Senegal, Sierra Leone, Togo.

Source: FAO Website Crop Production Statistics, updated December 2009.

Crop Production - Middle East (West Asia)[1]

	Area Harvested (millions ha)	Yield (tonnes/ha)	Production (millions tonnes)
Barley			
2008	5.66	1.49	8.43
2007	6.27	1.55	9.71
2006	6.39	1.93	12.40
2005	6.49	1.82	11.80
2004	6.27	1.78	11.10
2003	6.14	1.77	10.90
2002	6.57	1.69	11.10
2001	6.60	1.66	10.99
2000	6.39	1.43	9.14
Corn			
2008	1.04	5.44	5.64
2007	0.96	5.07	4.89
2006	0.96	5.22	5.03
2005	1.12	4.98	5.59
2004	1.07	4.11	4.39
2003	0.99	4.08	4.04
2002	0.93	3.51	3.28
2001	0.98	3.28	3.21
2000	0.95	3.31	3.13
Olives			
2008	1.56	1.68	2.62
2007	1.46	1.34	1.96
2006	1.47	2.39	3.51
2005	1.34	1.55	2.08
2004	1.42	2.21	3.13
2003	1.38	1.30	1.79
2002	1.36	2.41	3.28
2001	1.33	1.08	1.44
2000	1.31	2.37	3.11
Wheat			
2008	12.92	2.25	29.03
2007	13.37	2.12	28.34
2006	13.27	2.55	33.85
2005	15.28	2.20	33.58
2004	14.27	2.29	32.67
2003	14.22	2.20	31.24
2002	14.29	2.24	32.03
2001	13.73	2.13	29.29
2000	13.62	2.07	28.14

(1) Western Asia: Armenia, Azerbaijan, Bahrain, Cyprus, Gaza Strip (Palestine), Georgia, Iraq, Israel, Jordan, Kuwait, Lebanon, Occupied Palestinian Territory, Oman, Qatar, Saudi Arabia, Syrian Arab Republic, Turkey, United Arab Emirates, West Bank Yemen.

Source: FAO Website, Crops Production, updated December 2009.

Fertilizer Consumption in Africa and the Middle East - Top Five Countries

('000 metric nutrient tonnes per year)

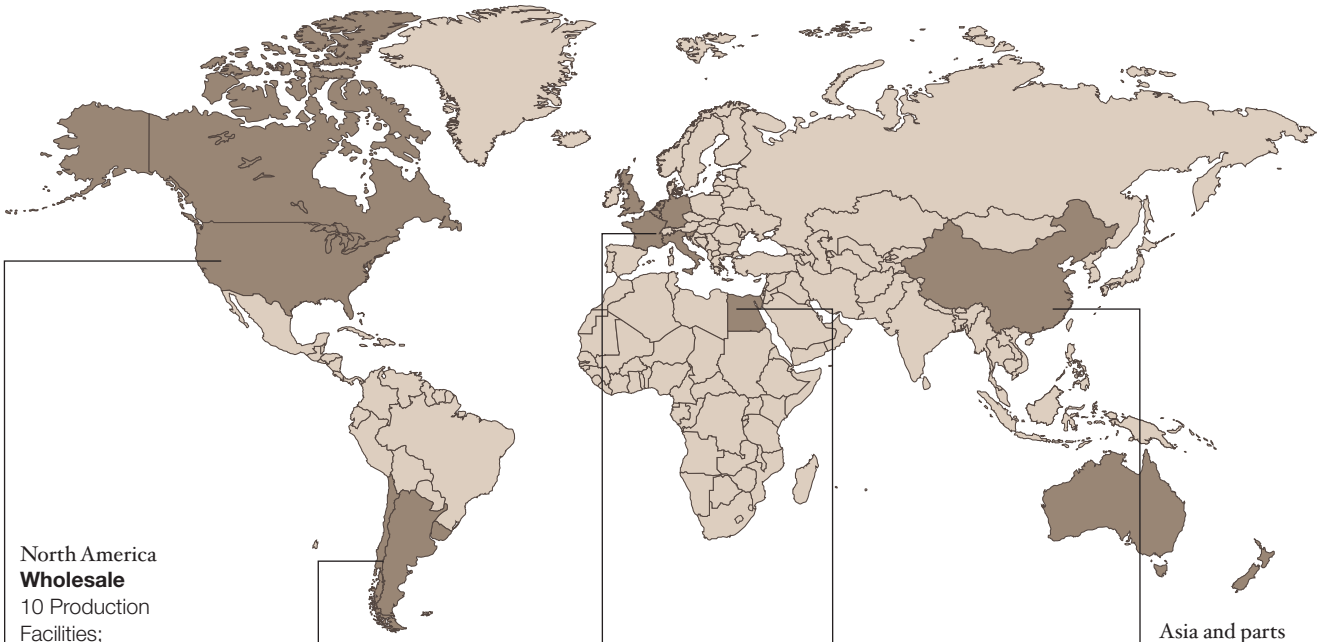
Year	Primary Nutrient Consumption N	P_2O_5	K_20	Total
Egypt				
2009	2,906	211	35	3,152
2008	2,686	229	44	2,959
2007	2,541	244	52	2,837
2006	1,745	220	46	2,011
2005	1,282	245	41	1,568
2004	1,290	238	40	1,568
2003	1,335	144	46	1,525
2002	1,267	153	48	1,468
Iran				
2009	1,436	385	95	1,916
2008	1,200	414	120	1,734
2007	1,028	440	170	1,638
2006	741	557	170	1,468
2005	858	419	165	1,427
2004	909	452	159	1,718
2003	970	350	136	2,109
2002	740	306	102	1,148
Saudi Arabia				
2009	1,564	127	22	1,713
2008	1,815	136	25	1,976
2007	1,959	145	23	2,127
2006	1,535	116	23	1,674
2005	1,101	149	22	1,272
2004	1,057	130	23	1,210
2003	1,068	147	22	1,237
2002	1,063	134	22	1,219
Oman				
2009	1,172	1	-	1,173
2008	909	1	-	910
2007	908	1	-	909
2006	789	0	-	789
2005	420	1	-	421
2004	3	1	-	4
2003	1	1	-	2
2002	0	2	-	2
Qatar				
2009	1,391	0	-	1,391
2008	1,419	0	-	1,419
2007	1,381	0	-	1,381
2006	1,319	0	-	1,319
2005	1,121	0	-	1,121
2004	843	0	-	843
2003	670	1	-	671
2002	654	0	-	654

Source: CRU, Ammonia Ten Year Outlook 2008/09 (Update 2), March 2010.
CRU, Phosphoric Acid, DAP, MAP and TSP Ten Year Forecast to 2016 (Update 3), July 2010.
Fertecon, Potash Outlook, April 2010.

2010-2011 Agrium Fact Book

Global

Agrium Going Global



North America
Wholesale
10 Production Facilities;
3 Mines;
Extensive Distribution and Storage Network

Retail
Over 900 Retail Centers under the name of Crop Production Services (CPS) and Crop Production Services Canada

Agrium Advanced Technologies
7 Production Facilities;
Product Innovation Facility;
Extensive Distribution and Storage Network

South America
Wholesale
Profertil S.A. is 50 percent owned by Agrium Inc. and 50 percent owned by Repsol YPF, S.A. in Argentina

Retail
53 Retail Centers under the name Agroservicios Pampeanos (ASP) in Argentina, Chile and Uruguay

Europe
Wholesale
Agrium Europe (formerly Common Market Fertilizers S.A. (CMF))

Africa and the Middle East
Wholesale
26 percent interest in MISR Fertilizers Production Company S.A.E. (MOPCO) in Egypt

Asia and parts of the Pacific Rim
Agrium Advanced Technologies
19.5 percent equity position in the specialty fertilizer company, Hanfeng Evergreen Inc. (Hanfeng) in China

Acquisition of AWB Limited Including over 400 retail locations in Australia and New Zealand

Global Total Grains Supply/Demand

(million metric tonnes)

Year	Output	Total Supply	Trade	Total Use	Ending Stocks	Stocks To Use Ratio
2010/11(p)	2,183	2,673	276	2,240	432	19%
2009/10(e)	2,229	2,680	284	2,190	490	22%
2008/09	2,241	2,610	286	2,160	451	21%
2007/08	2,122	2,463	276	2,101	363	17%
2006/07	2,005	2,393	260	2,053	340	17%
2005/06	2,019	2,423	253	2,033	390	19%
2004/05	2,043	2,401	241	1,994	408	20%
2003/04	1,858	2,302	241	1,947	354	18%
2002/03	1,816	2,352	241	1,910	442	23%
2001/02	1,870	2,414	239	1,900	514	27%
2000/01	1,840	2,402	233	1,860	542	29%

(e) estimated
(p) projected
Source: USDA-WASDE-487, October 8, 2010.

Crop Cycles: Growing Seasons for Key Global Regions

	Seeding Months	Harvest Months
Corn		
United States	April-May	October-November
S. China	February-April	July-August
Brazil	1st Crop October-December	February-June
	2nd Crop January-February	June-September
Argentina	October-December	March-June
Western Europe	March-May	September-November
Wheat		
United States - Winter	September-October	June-August
United States - Spring	April-May	July-September
Canada - Spring	May-June	August-October
China - Winter	September-October	May-June
Argentina - Winter	June-August	November-January
Australia	May-July	October-December
Soybeans		
United States	May-June	October-November
Brazil	1st Crop October-December	March-May
	2nd Crop-April-May	August-September
Argentina	1st Crop November-January	April-May
	2nd Crop December-January	May-June
Canada	May-June	September-November
Rice		
United States	April-May	September-October
India	May-August (Kharif)	October-January
	November-February (Rabi)	March-May
China	April-May (single crop)	August-September
	March-April (double crop-early)	June-July
	June-July (double crop-late)	October-November
Brazil	November-December (center-south)	February-May
	January-February (north and northeast)	June-August

Source: USDA FAS.

Fertilizer Consumption by Region *(Does not include industrial use)*

Forecasted Consumption 2010

('000 metric nutrient tonnes)

Region[1]	N	P[2]	K	NPK	% share of world consumption NPK
Western Europe	7,891	1,734	1,917	11,542	7%
Central Europe	2,629	675	682	3,986	2%
Eastern Europe and Central Asia	3,940	982	1,187	6,110	4%
North America	13,338	4,441	4,149	21,929	13%
Latin and the Caribbean	6,427	4,909	4,422	15,759	9%
Africa	3,064	1,099	455	4,619	3%
West Asia	3,163	1,271	320	4,754	3%
South Asia	20,228	8,520	3,990	32,738	19%
East Asia	41,989	13,872	9,193	65,054	38%
Oceania	1,211	1,053	279	2,543	2%
World	103,880	38,557	26,595	169,034	100%

(1) See *Constants and Conversions* for IFA Regional Classification.
Source: IFA Medium-Term Outlook for World Agriculture and Fertilizer Demand 2009/2010-2014/2015.

Fertilizer Consumption by Country

Consumption Estimated 2009/10 - Top Ten

('000 metric nutrient tonnes per year)

Rank	N		P		K		Total NPK	
1	China	33,500	China	11,000	China	4,500	China	49,000
2	India	15,565	India	7,030	Brazil	3,481	India	25,595
3	USA	11,300	USA	3,400	USA	3,200	USA	17,900
4	Pakistan	3,052	Brazil	3,193	India	3,000	Brazil	9,098
5	Indonesia	2,700	Pakistan	850	Indonesia	800	Pakistan	3,930
6	Brazil	2,424	Australia	625	Malaysia	750	Indonesia	3,900
7	France	2,200	Canada	590	Russian FED.	340	France	2,800
8	Canada	1,900	Russian FED.	530	France	300	Canada	2,670
9	Germany	1,600	Turkey	514	U.K.	290	Russian FED.	2,320
10	Russian FED.	1,450	Iran	430	Spain	190	Germany	1,910
Top 10	N	75,691	P	28,162	K	16,851	NPK	119,123
World	N	100,639	P	35,367	K	22,011	NPK	158,017

Source: IFA Short-Term Prospects for World Agriculture and Fertilizer Demand 2008/09-2010/11.

Fertilizer Production by Region

Capacity Estimated 2010

('000 metric nutrient tonnes per year)

Region[1]	N	P[2]	K	NPK	% share of world capacity NPK
West Europe	9,942	895	5,590	16,427	7%
Central Europe	6,396	1,022	-	7,418	3%
East Europe and Central Asia	21,581	4,506	12,315	38,402	15%
North America	13,154	9,861	16,455	39,470	16%
Latin America	9,130	2,356	1,600	13,086	5%
Africa	5,942	7,693	-	13,635	5%
West Asia	12,160	2,245	3,665	18,070	7%
South Asia	16,496	2,150	-	18,646	7%
East Asia	62,242	16,442	3,327	82,011	33%
Oceania	1,624	600	-	2,224	1%
World	158,667	47,770	42,952	249,389	100%

(1) See *Constants and Conversions* for IFA Regional Classifications.
(2) Phosphate consumption estimate excludes non phosphoric acid based products, which include SSP, FMP, direct application phosphate rock, and compound NP and NPK.
Source: IFA Global Fertilizers and Raw Materials Supply and Supply /Demand Balances 2010-2014, June 2010.

Global Fertilizer Capacity by Country

Countries Estimated 2009/10 - Top Ten

('000 metric nutrient tonnes per year)

Rank	N		P[1]		K		Total NPK	
1	China	38,575	United States	9,616	Canada	18,740	China	60,313
2	India	11,988	China	9,289	Russia	6,500	Canada	23,433
3	Russia	11,655	Morocco	4,815	Belarus	5,465	Russia	20,925
4	United States	9,156	Russia	2,770	Germany	4,250	United States	21,411
5	Indonesia	5,319	India	1,817	China	3,981	India	13,805
6	Ukraine	5,191	Tunisia	1,585	United States	2,639	Ukraine	7,138
7	Trinidad and Tobago	4,990	Brazil	1,525	Israel	2,570	Germany	7,548
8	Canada	4,348	South Africa	1,185	Jordan	1,966	Belarus	6,754
9	Egypt	3,787	Ukraine	809	Ukraine	1,138	Indonesia	5,519
10	Iran	3,157	Jordan	676	Chile	946	Trinidad and Tobago	6,085
Top 10	N	98,166	P	34,087	K	48,195	NPK	172,932
World	N	145,206	P	46,042	K	50,461	NPK	241,709

Source: IFDC Worldwide Ammonia Capacity by Plant, June 2010.
IFDC Worldwide Potash Capacity Listing by Plant, June 2010.
IFDC Worldwide Phosphoric Acid Capacity Listing by Plant, June 2010.

Global Nutrient Trade Data: Imports and Exports

('000 metric nutrient tonnes per year of nitrogen)

Urea[1]

Total Exports

Rank	Exporting Regions	2009	2008	2007	Primary Destination
1	West Asia	4,532	4,823	4,694	India
2	Russia	2,158	1,921	2,127	Mexico
3	China	1,554	2,169	2,698	Bangledash
4	Egypt	1,553	1,025	1,065	France
5	Latin America	1,051	845	930	United States
6	Ukraine	826	1,437	1,562	Turkey
7	Other Asia and Oceania	788	557	800	Thailand
8	Canada	782	694	785	United States
9	United States	155	139	145	Canada
Total World		**13,400**	**13,609**	**14,805**	

Total Imports

Rank	Imports	2009	2008	2007	Primary Source
1	United States	2,157	2,304	2,675	Canada
2	India	1,991	2,781	2,991	West Asia
3	Brazil	768	831	993	Russia
4	Mexico	753	516	680	Russia
5	Pakistan	476	229	77	West Asia
6	Bangladesh	475	295	309	China
7	Turkey	394	593	545	Russia
8	Italy	303	193	313	Egypt
9	South Africa	281	296	314	West Asia
10	France	253	272	298	Egypt
Total Top Ten		**7,852**	**8,308**	**9,196**	
Total World		**13,400**	**13,609**	**14,805**	

(1) Some exports and imports are listed as regions due to IFA aggregate reporting . Data for Argentina includes Profertil only.
(2) Data for Oman includes Omifco only.
(3) Data for Bangladesh includes Qafco only.
Source: IFA Urea Statistics January-December 2009, March 2010.
Regional Sections:
Latin America: Trinidad, Argentina[1], Brazil, Mexico, Venezuela.
West Asia: Abu Dhabi, Bahrain, Kuwait, Oman[2], Qatar, Saudi Arabia.
Other Asia and Oceania: Bangladesh[3], Malaysia, Indonesia.

Global Nutrient Trade Data: Imports and Exports

('000 metric nutrient tonnes per year of nitrogen)

Ammonia[1]

Total Exports

Rank	Exporting Regions	2009	2008	2007	Primary Destination
1	Trinidad	3,944	3,753	3,964	United States
2	Russia	2,834	3,064	2,947	United States
3	West Asia	2,281	2,078	1,902	India
4	Indonesia	1,047	1,023	1,158 r	Korea Republic
5	Other Asia and Oceania	858	720	1,025	Korea Republic
6	Canada	783	1,001 r	804	United States
7	Egypt	377	112 r	94	United States
8	Other Latin America	349	399 r	369 r	United States
9	Ukraine	253	1,146	1,193	United States
10	United States	20	191	94	Canada
Total World		**12,745**	**13,488**	**13,548**	

Total Imports

Rank	Imports	2009	2008	2007	Primary Source
1	United States	4,603	6,080	6,303	Trinidad
2	India	1,575	1,073	1,446	West Asia
3	Korea Rep.	880	846	890	Indonesia
4	Taiwan, China	568	589	612	Indonesia
5	Turkey	558	508	492	Russia
6	Belgium	429	538	398	Russia
7	Lithuania	328	142	91	Russia
8	Morocco	319	255	145	Russia
9	Thailand	290	234	226	Other Asia and Oceania
10	Brazil	285	218	258	Trinidad
Total Top Ten		**9,833**	**10,484**	**10,859**	
Total World		**12,745**	**13,488**	**13,548**	

r revised figure
(1) Some exports and imports are listed as regions due to IFA aggregate reporting. Data For Argentina includes Profertil only.
(2) Data for Oman includes Omifico only.
(3) Data for Bangladesh includes Qafco only.
Source: IFA Ammonia Statistics January-December 2009, March 2010.
Other Latin America: Argentina (1), Brazil, Mexico, Venezuela
West Asia: Abu Dhabi, Bahrain, Iran, Kuwait, Oman (2), Qatar, Saudi Arabia
Other Asia and Oceania: Bangladesh(3), Korea Republic, Malaysia, Australia.

Global Nutrient Trade Data: Imports and Exports

('000 metric nutrient tonnes per year of phosphate)

MAP and DAP[1]

Total Exports

Rank	Exports	2009	2008	2007	Primary Destination
1	United States	3,131	2,578	2,871	India
2	Africa	1,387	860	1,242	Brazil
3	Russia	1,391	1,376	1,632	India
4	China	1,182	843	1,797	India
5	Europe, Other Asia, and Oceania	316	251	205	Pakistan
6	West Asia	358	354	371	India
Total World		**8,184**	**6,599**	**8,504**	

Total Imports

Rank	Imports	2009	2008	2007	Primary Source
1	India	2,982	2,620	1,328	United States
2	Brazil	586	726	1,280	United States
3	Vietnam	421	142	350	China
4	Pakistan	374	164	645	Europe, Other Asia and Oceania
5	China	324	44	172	United States
6	Australia	271	317	331	United States
7	Canada	246	260	384	United States
8	Argentina	243	243	558	Africa
9	Turkey	235	96	162	Africa
10	Ethiopia	228	130	117	Russia
Total Top Ten		**5,910**	**4,742**	**5,325**	
Total World		**8,184**	**6,599**	**8,504**	

(1) Some exports and imports are listed as regions due to IFA aggregate reporting.
Listed as regions and countries:
West Asia: Israel, Jordan, Saudi Arabia, Turkey
Africa: Morocco, Senegal, South Africa, Tunisia
Other Europe and Oceania: Bulgaria, Finland, Lithuania Spain, Korea Rep, Philippines, Australia

Source: IFA Processed Phosphate Statistics 2009, March 2010.

Global Nutrient Trade Data: Imports and Exports

('000 metric nutrient tonnes per year of potassium)

Potash

Total Exports

Rank	Exports	2009[2]	2008[2]	2007	Primary Destination
1	Canada	3,777	10,084	10,422	United States
2	Russia	2,684	5,051	5,402	India
3	Belarus	1,747	3,790	4,391	India
4	Germany[1]	1,424	2,745	3,033	Brazil
5	Israel	1,199	1,931	2,052	India
6	Jordan	556	1,043	1,005	India
7	Chile	270	102	35	Belgium
8	Belgium	247	0	-	Iran
9	Spain	201	222	331	Brazil
10	U.K.	121	186	221	Brazil
Total Top Ten		**12,226**	**25,154**	**26,891**	
Total World		**12,610**	**26,029**	**27,015**	

Total Imports

Rank	Imports	2009[2]	2008	2007	Primary Source
1	India	3,298	2,926	2,360	Russia
2	Brazil	2,305	4,101	4,266	Belarus
3	United States	1,780	4,656	4,710	Canada
4	China PR	705	3,237	5,585	Russia
5	Indonesia	537	1,144	912	Canada
6	Malaysia	371	1,086	1,060	Canada
7	Belgium	276	641	567	Chile
8	Vietnam	226	436	388	Belarus
9	Korea (South)	197	410	318	Canada
10	Japan	197	542	401	Canada
Total Top Ten		**9,892**	**19,179**	**20,566**	
Total World		**12,610**	**26,029**	**27,016**	

(1) Germany production includes other forms of primary potash, whereas other countries production is in the form of potassium chloride.
(2) 2008 and 2009 statistics are taken from Fertecon Potash Outlook, June 2009 and July 2010 due to the change to aggregate reporting by IFA.
Source: Fertecon, Potash Outlook, July 2010.
IFA Potash Statistics 2007, March 2008.

Global NPK Consumption

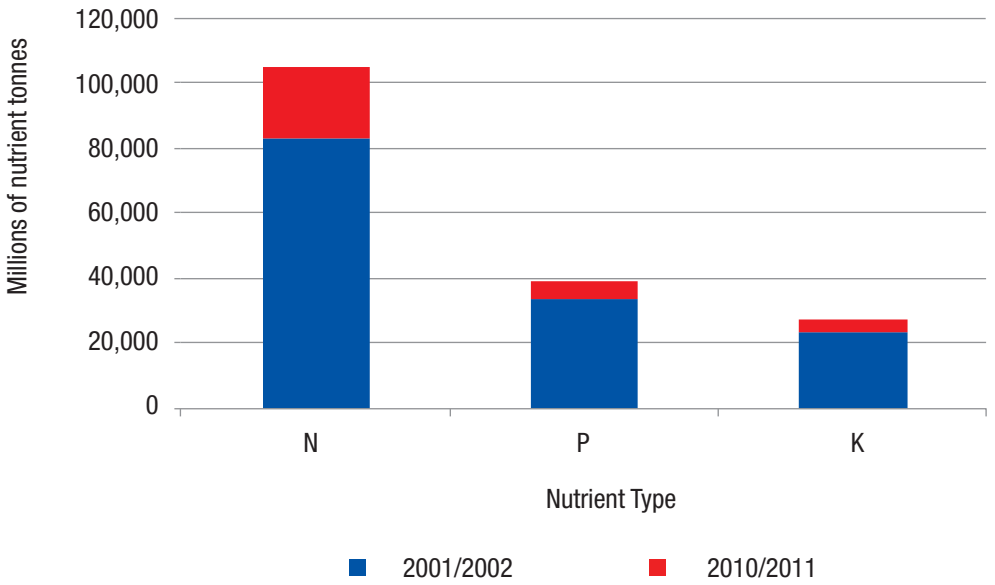
(Does not include industrial use)

('000 metric nutrient tonnes per year)

	2010/ 2011	2009/ 2010	2008/ 2009	2007/ 2008	2006/ 2007	2005/ 2006	2004/ 2005	2003/ 2004	2002/ 2003	2001/ 2002	2000/ 2001
N	104,374	102,428	99,305	101,155	96,136	93,196	90,503	87,591	86,059	82,789	82,070
Growth	1.90%	3.14%	-1.83%	5.22%	3.15%	2.97%	3.32%	1.78%	3.95%	0.88%	-3.35%
P	38,854	37,191	34,175	38,449	38,946	36,713	37,505	35,035	33,734	33,344	32,812
Growth	4.47%	8.83%	-11.12%	-1.28%	6.08%	-2.11%	7.05%	3.86%	1.17%	1.62%	-1.43%
K	27,143	22,921	23,203	28,896	27,635	35,846	27,654	26,148	23,398	22,855	22,095
Growth	18.42%	-1.22%	-19.70%	4.56%	-22.91%	29.62%	5.76%	11.76%	2.37%	3.44%	0.52%

Source: IFA Medium-Term Outlook for World Agriculture and Fertilizer Demand 2008/09-2013/14.

Growth in Global Fertilizer Consumption



Source: IFA Medium-Term Outlook for World Agriculture and Fertilizer Demand 2009/10-2014/15-June 2010.

2010 Global Nitrogenous Fertilizer Supply/Demand Balance

('000 metric nutrient tonnes per year)

Region[1]	Capacity	Production Capability	Non Fertilizer Use	Fertilizer Demand	Total Demand[2]
West Europe	9,942	9,335	4,576	7,891	12,779
Central Europe	6,396	4,979	745	2,629	3,458
East Europe and Central Asia	21,581	18,353	1,496	3,940	5,572
North America	13,154	11,708	3,984	13,338	17,755
Latin America	9,130	8,361	1,168	6,427	7,785
Africa	5,942	5,112	443	3,064	3,595
West Asia	12,160	10,265	430	3,163	3,683
South Asia	16,496	14,874	452	20,228	21,197
East Asia	62,242	50,206	9,038	41,989	53,302
Oceania	1,624	1,558	658	1,211	1,916
World	**158,667**	**134,751**	**22,990**	**103,880**	**130,041**

(1) See *Constants and Conversions* for IFA Regional Classifications.
(2) Includes Distribution loss, W. Europe=312, C. Europe=84, E. Europe and C. Asia=136, N. America=433, LAM=190, Africa=88, W. Asia=90, S. Asia=517, E. Asia=1,276, Oceania=47, World=3,172.
Source: IFA Global Fertilizers and Raw Materials Supply and Supply/Demand Balances 2010-2014, June 2010.

2010 Global Urea Supply/Demand Balance

('000 metric nutrient tonnes per year)

Region[1]	Capacity	Production Capability	Non Fertilizer Use	Fertilizer Demand	Total Demand
West Europe	5,438	4,997	3,891	3,774	7,665
Central Europe	5,165	3,694	697	1,943	2,640
East Europe and Central Asia	14,966	13,114	637	2,484	3,121
North America	10,916	10,035	1,737	12,526	14,263
Latin America	6,694	5,530	727	7,824	8,551
Africa	6,475	5,804	187	3,997	1,620
West Asia	17,880	15,153	457	4,744	5,201
South Asia	30,848	29,592	391	38,258	38,649
East Asia	80,188	67,164	8,543	56,411	64,954
Oceania	490	525	243	1,738	1,981
World	**179,062**	**155,608**	**17,510**	**133,698**	**151,209**

(1) See *Constants and Conversions* for IFA Regional Classifications.
Source: IFA Global Fertilizers and Raw Materials Supply and Supply/Demand Balances 2010-2014.

2010 Global Phosphoric Acid Supply/Demand Balance

('000 metric nutrient tonnes per year of phosphate)

Region[1]	Capacity	Production Capability	Non Fertilizer Use	Fertilizer Demand	Total Demand[2]
West Europe	895	636	709	1,491	2,244
Central Europe	1,022	546	36	543	591
East Europe and Central Asia	4,506	3,252	240	638	896
North America	9,861	9,249	945	4,441	5,494
Latin America	2,356	2,129	949	4,124	5,175
Africa	7,693	6,741	574	929	1,532
West Asia	2,245	1,636	394	1,157	1,581
South Asia	2,150	1,465	110	7,412	7,673
East Asia	16,442	13,429	1,498	10,018	11,746
Oceania	600	480	23	600	635
World	**47,700**	**39,561**	**5,478**	**31,353**	**37,567**

(1) See *Constants and Conversions* for IFA Regional Classifications.
(2) Includes Distribution loss W. Europe=44, C. Europe=12, E. Europe and C. Asia=18, N. America=108, LAM=101, Africa=30, W. Asia=31, S. Asia=150, E. Asia=230, Oceania=12, World=737.
Source: IFA Global Fertilizers and Raw Materials Supply and Supply/Demand Balances 2010-2014.

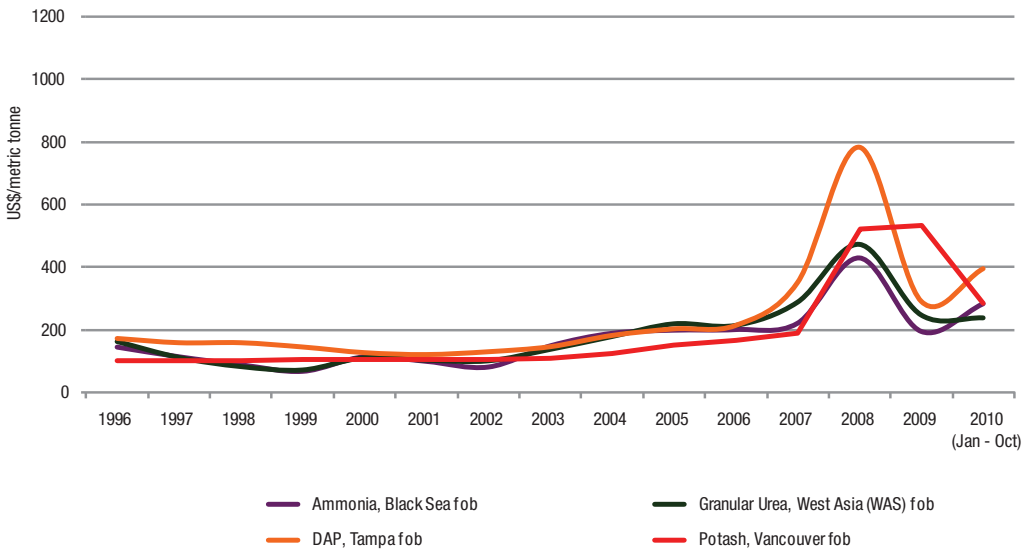
2010 Global Potash Supply/Demand Balance

('000 metric nutrient tonnes per year of potash)

Region[1]	Capacity	Production Capability	Non Fertilizer Use	Fertilizer Demand	Total Demand[2]
West Europe	5,590	4,651	350	1,917	2,335
Central Europe	-	-	23	682	726
East Europe and Central Asia	12,315	11,629	35	1,187	1,259
North America	16,455	14,058	875	4,149	5,125
Latin America	1,600	1,469	45	4,422	4,556
Africa	-	-	65	455	530
West Asia	3,665	3,422	70	320	398
South Asia	-	-	15	3,990	4,125
East Asia	3,327	2,807	950	9,193	10,549
Oceania	-	-	-	279	285
World	**42,952**	**38,036**	**2,428**	**26,594**	**29,888**

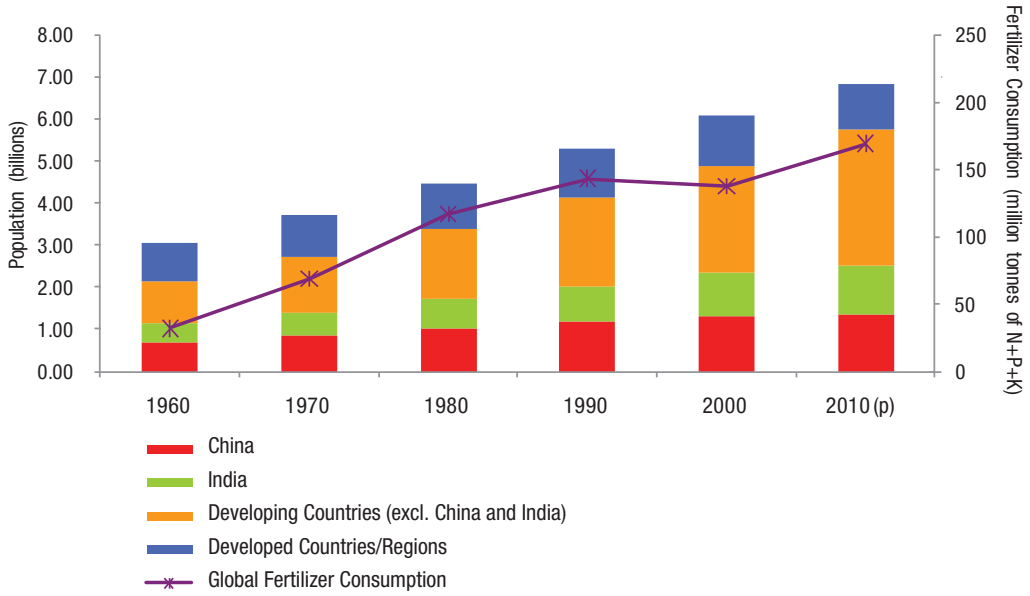
(1) See *Constants and Conversions* for IFA Regional Classifications.
(2) Includes Distribution loss W. Europe=68, C. Europe=21, E. Europe and C. Asia=37, N. America=100, LAM=89, Africa=10, W. Asia=8, S. Asia=120, E. Asia=406, Oceania=6, World=865.
Source: IFA Global Fertilizers and Raw Materials Supply and Supply/Demand Balances 2010-2014.

International Fertilizer Prices - Historical



(e) estimated
(1) 1996-2009 Arab Gulf prices an average of granular and prill.
Source: Blue, Johnson and Associates Inc., The Sheet October 2010.

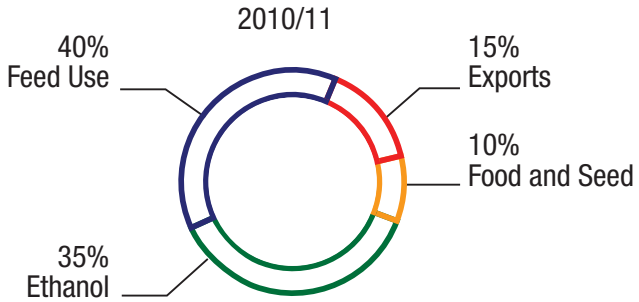
Global Population vs. Global Fertilizer Consumption



(p) projected
Source: IFA Medium-Term Outlook for World Agriculture and Fertilizer Demand 2009/10-2014/15 and World Bank .

United States Ethanol Facts

	2010/11(p)	2009/10(e)	2008/09	2007/08	2006/07	2005/06	2004/05	2003/04
United States Ethanol Production (billion gallons)	13.1	11.9	10.0	8.3	4.9	4.5	3.8	3.4
Corn Use for Ethanol (billion bu)	4.7	4.6	3.7	3.0	2.1	1.6	1.3	1.2
United States corn use for ethanol as a percentage of total use	34.9%	34.9%	30.9%	23.8%	19.0%	14.3%	12.4%	11.4%



- One bushel of corn yields approximately 2.8 gallons of ethanol.
- The key variables in determining ethanol plant profitability include ethanol and dried distillers grains and solubles (DDGS) prices for revenue corn, and natural gas prices for costs.
- As of August 2010, there were 204 ethanol plants operating in the United States, another 11 are currently under construction or are undergoing an expansion.
- Ethanol represents the second largest and fastest growing market for domestically produced corn, coming after livestock feed.

United States Biodiesel Facts

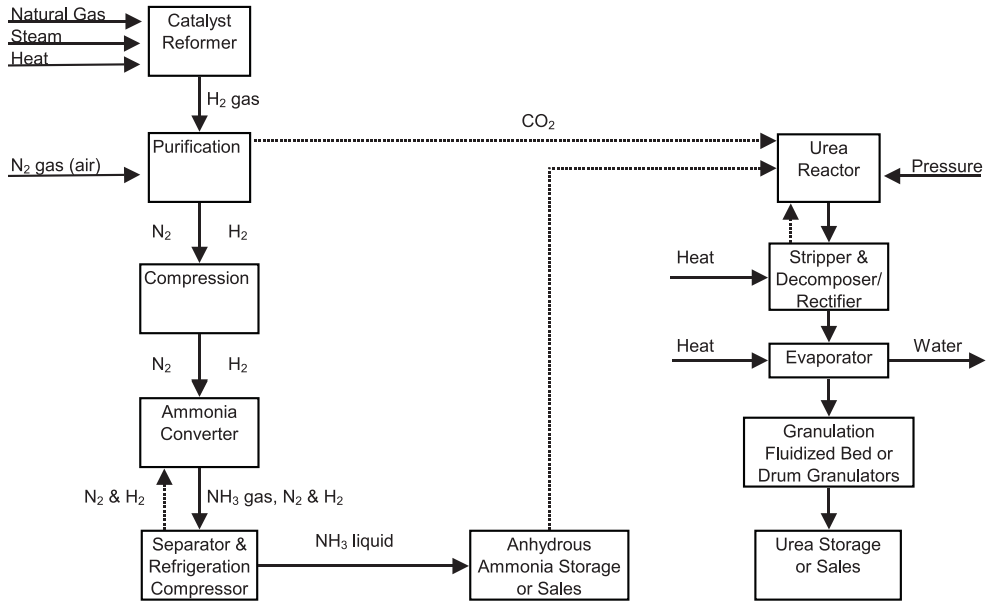
- Approximately 15 percent of all soybean oil produced in the United States is used as biodiesel.
- An acre of soybeans can produce about 63 gallons of biodiesel.
- An acre of canola can produced about 80 gallons.
- An acre of palm oil can produce about 8-9 times more biodiesel than an acre of soybeans.
- It takes 7.35 pounds of soyoil to make a gallon of biodiesel. One bushel of soybean yields approximately 11.5 pounds of soyoil.

(e) estimated
(p) projected
Source: USDA WASDE Report, Doane's, Renewable Fuels Association, Market Research Analyst, FAPRI Agricultural Outlook.

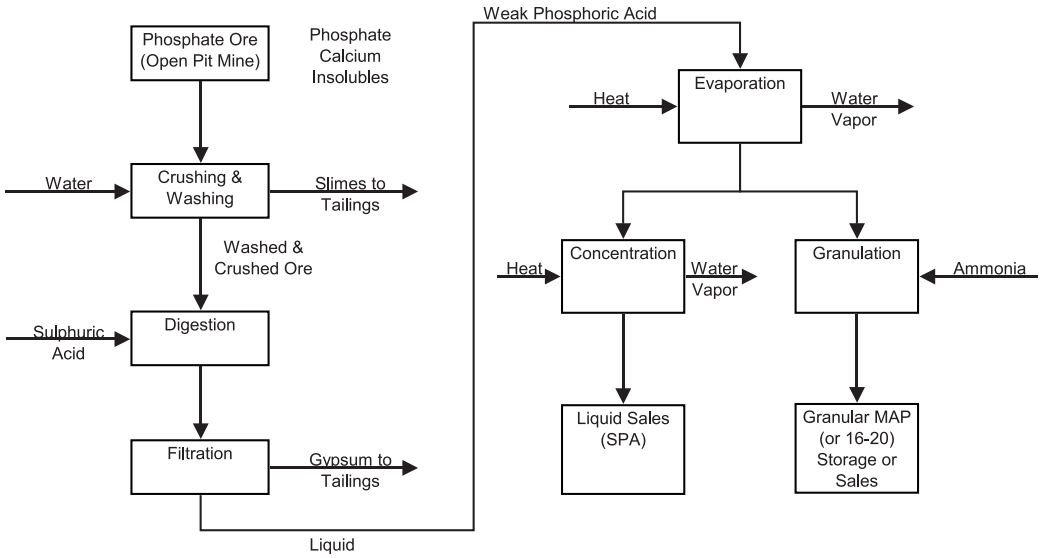
Constants & Conversions

Fertilizer Production Process

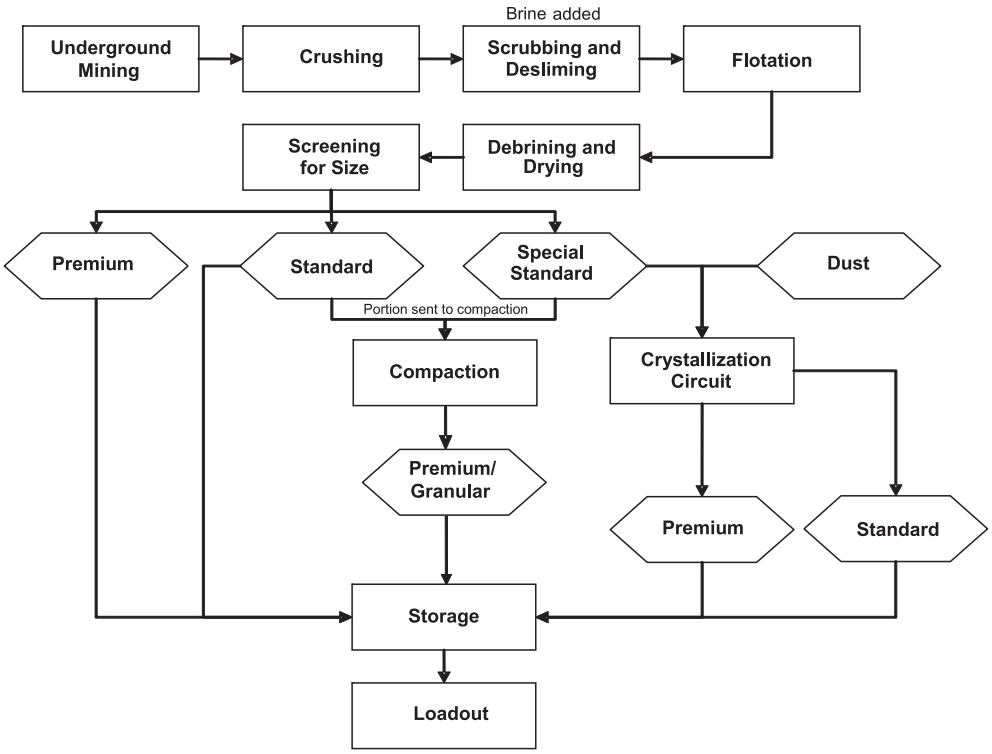
Nitrogen Fertilizer



Phosphate Fertilizer



Potassium Fertilizer



Underground Sources

- Usually deep deposits
  - first step is to mine the ore and get it to the surface
- Manufacturing process (remove unwanted minerals)
  - clays, NaCl, $MgCl_2$, de-sliming and froth flotation
- Sizing and granulation
  - made into final product

Potassium Rock Sources

- Sylvinite is composed of a mixture of KCl and NaCl crystals, 20-40% K_2O (Saskatchewan mines)
- Sylvite is extracted from Sylvinite and is composed of primarily KCl, 63% K_2O
- Langebeinite is composed primarily of K_2SO_4 and $MgSO_4$, 23% K_2O

Common Potassium Fertilizers

- Potassium Chloride (KCl) muriate of potash (MOP), 0-0-60 to 62
  (accounts for 90% of potash sales in North America)
- Potassium Sulphate (K2SO4) or sulfate of potash, 0-0-50-18S
- Sulphate of Potash-Magnesia (K2SO4 - 2MgSO4) or K-Mag, 0-0-22-22S-11 Mg
- Potassium Nitrate (KNO3) 13-0-44 often used in foliar sprays

Raw Material Requirements

Ammonia (NH_3)

The production of 1 tonne of ammonia requires:

- 32 - 38 mmBtu natural gas *or*
- 0.9 tonnes naphtha *or*
- 1.05 tonnes fuel oil *or*
- 1.90 tonnes coal *or*
- 8,000 - 12,000 kWh (electrolysis)

Nitric Acid (HNO_3)

The production of 1 tonne of 100% $HN0_3$ requires:

- 0.29 tonnes ammonia

Ammonium Nitrate (34% N)

The production of 1 tonne of 34% N ammonium nitrate requires:

- 0.436 tonnes of total ammonia
  - 0.21 tonnes ammonia
  - 0.78 tonnes of 100% HNO_3 (0.226 tonne of ammonia)

Urea

The production of 1 tonne of urea requires:

- 0.58 tonnes of ammonia
- 0.76 tonnes of carbon dioxide

UAN

The production of 1 tonne of UAN requires:

- 28-0-0 Solution — 0.386 tonnes of 34-0-0, 0.310 tonnes of 46-0-0
- 32-0-0 Solution — 0.443 tonnes of 34-0-0, 0.354 tonnes of 46-0-0

Sulphuric Acid (H_2SO_4)

The production of 1 tonne of 100% H_2SO_4 requires:

- 0.76 tonnes pyrites (48% S) *or*
- 0.33 tonnes sulphur

Ammonium Sulphate

The production of 1 tonne of ammonium sulphate requires:

- 0.26 tonnes ammonia
- 0.75 tonnes sulphuric acid

Phosphoric Acid (H_3PO_4) (Wet Process)

The production of 1 tonne of 100% P_2O_5 as H_3PO_4 requires:

- 3.6 tonnes phosphate rock 63% BPL[(1)]
- 2.8 tonnes 100% H_2SO_4 *or*
- 2.3 tonnes 100% HCl

Phosphoric Acid (Thermal Process)

The production of 1 tonne of 100% P_2O_5 requires:

- 3.9 tonnes of phosphate rock 63% BPL[(1)]
- 1.3 tonnes of silica
- 0.60 tonnes of coke
- 13,000 - 15,000 kWh electricity

Superphosphate

The production of 1 tonne of 20% P_2O_5 single superphosphate requires:

- 0.71 tonnes of phosphate rock 63% BPL[(1)]
- 0.37 tonnes of 100% H_2SO_4

Triple Superphosphate

The production of 1 tonne of 46% P_2O_5 triple superphosphate requires:

- 0.43 tonnes of phosphate rock 63% BPL[(1)]
- 0.85 tonnes of 40% P_2O_5 phosphoric acid (0.34 tonne P_2O_5)

Monoammonium Phosphate

The production of 1 tonne of monoammonium phosphate (11-53-0) requires:

- 0.128 tonnes of ammonia
- 1.91 tonnes of phosphate rock at 63% BPL[(1)]
- 0.475 tonnes of sulphur
- 1.35 tonnes of 40% P_2O_5 phosphoric acid (0.54 tonne P_2O_5)

Diammonium Phosphate

The production of 1 tonne of diammonium phosphate (18-46-0) requires:

- 0.219 tonnes of ammonia
- 1.72 tonnes of phosphate rock at 63% BPL[(1)]
- 0.427 tonnes of sulphur
- 1.175 tonnes of phosphoric acid (0.470 tonne P_2O_5)

(1) 63% BPL = 29% P_2O_5

Sulphur Minerals

		%S
Iron pyrites	FeS_2	40-53
Pyrrhotite	Fe_6S_7	40
Gypsum	$CaSO_4 \cdot 2H_2O$	19
Anhydrite	$CaSO_4$	24

Potash Minerals/Ores

		$\%K_2O$
Sylvite	KCl	63
Sylvinite	$KCl \cdot NaCl$	35
Carnallite	$KCl \cdot MgCl_2 \cdot 6H_20$	17
Kainite	$KCl \cdot MgSO_4 \cdot 3H_2O$	19
Langbeinite	$K_2SO_4 \cdot 2MgSO_4$	23
Polyhalite	$K_2S4 \cdot MgSO_4 \cdot 2CaSO_4 \cdot H_2O$	16
Alunite	$K_2SO_4 \cdot Al2(SO_4)_3 4Al(OH)_3$	11

Phosphate Rock

		$\% P_20_5$
Tricalcium phosphate	$Ca_3(PO_4)_2$	46
Fluorapatite	$Ca_{10}(PO_4)_6F_2$	42
Carbonate apatite	$Ca_{10}(PO_4)_6CO_3$	41
Hydroxyapatite	$Ca_{10}(PO_4)_6(OH)_2$	42

Product Analysis

	% N	% P_2O_5	% K_2O	
Ammonia, anhydrous	82	0	0	
Ammonia, aqua	20.5-28	0	0	
Ammonium chloride	25-26	0	0	
Ammonium nitrate	34.5	0	0	
Ammonium phosphate sulphate	16	20	0	
Ammonium sulphate	21	0	0	
Ammonium polyphosphate solution	10	34	0	
Monoammonium phosphate	11	52	0	(Florida/PNW Redwater)
	12	51	0	(Redwater)
Diammonium phosphate	18	46	0	(Common)
Nitric acid (100%)	22.2	0	0	
Nitric acid (60%)	13	0	0	
Sodium nitrate	16	0	0	
Urea	46	0	0	
Urea ammonium nitrate solutions	28-32	0	0	(Cdn. Common 28%)
Urea ammonium phosphate	34	17	0	
	33	20	0	
	29	29	0	
Calcium ammonium nitrate	20.5-28	0	0	
Calcium nitrate	11.9-15.5	0	0	
Dicalcium phosphate – anhydrous	0	52.2	0	
Dicalcium phosphate – dihydrate	0	41.3	0	
Single superphosphate	0	16-22	0	
Triple superphosphate	0	44-48	0	
Deflourinated phosphate	0	37	0	
Fused magnesium phosphate	0	19-20	0	
Phosphoric acid 100%	0	74.2	0	
Phosphoric acid merchant grade	0	54	0	
Superphosphoric acid	0	70	0	
Muriate of potash	0	0	60	
Potassium sulphate	0	0	50-54	
Potassium nitrate	13	0	44	
Potassium magnesium sulphate	0	0	21.9	

General Conversion Factors

1	Acre	=	0.4048	Hectares
1	Acre	=	4.048×10^{-3}	Sq. kilometers
1	Acre	=	43,560	Sq. feet
1	Atmosphere	=	14.696	Pounds/sq. inch
1	Atmosphere	=	1.033	Kilograms/sq. centimeter
1	Barrel (oil)	=	42	Gallons, US
1	Cubic foot	=	2.8317×10^{-2}	Cubic meter
1	Cubic foot	=	6.2291	Gallons, Imperial
1	Cubic foot	=	7.4805	Gallons, US
1	Cubic foot	=	28.3170	Liters
1	Cubic foot	=	0.025	Tons, US Shipping
1	Cubic meter	=	1.308	Cubic yards
1	Cubic meter	=	220	Gallons, Imperial
1	Cubic meter	=	265	Gallons, US
1	Cubic meter	=	6.289	Barrels (oil)
1	Cubic meter	=	3.5830×10^{11}	mmBtu
1	Degree Fahrenheit	=	(°F – 32) x 0.556	Degree Centigrade
1	Degree Centigrade	=	(°C x 1.8) + 32	Degree Fahrenheit
1	Dollar/metric ton	=	0.90719	Dollars/short ton
1	Dollar/short ton	=	1.1023	Dollars/metric ton
1	Gallon, Imperial	=	1.201	Gallons, US
1	Gallon, Imperial	=	4.5461	Liters
1	Gallon, US	=	3.7853	Liters
1	Grain/gallon	=	17.12	Parts/million
1	Grain	=	2.205×10^{-3}	Pounds
1	Sq. foot	=	9.29×10^{-6}	Hectares
1	Sq. meter	=	10.764	Sq. feet
1	Sq. meter	=	1.196	Sq. yards
1	Sq. mile	=	259.00	Hectares
1	Sq. mile	=	2.590	Sq. kilometers
1	Ton, long	=	1016.05	Kilograms
1	Ton, long	=	2,240	Pounds
1	Ton, long	=	1.0161	Tonnes
1	Ton, long	=	1.120	Tons, short
1	Ton, long/acre	=	2.511	Tonnes/hectare
1	Ton, long/sq. ft.	=	1.0937×10^{-4}	Kilograms/sq. meter
1	Ton, long/sq. inch	=	1.575	Kilograms/sq. mm
1	Ton, metric	=	2,204.6	Pounds
1	Ton, metric	=	0.9842	L. tons
1	Ton, metric	=	1.102	S. tons
1	Ton, metric/hectare	=	0.3982	L. tons/acre
1	Ton, metric/hectare	=	0.4460	S. tons/acre
1	Ton, short	=	907.19	Kilograms
1	Ton, short	=	2,000	Pounds
1	Ton, short/acre	=	2.242	Tonnes/hectare
1	Ton, Brit Shipping	=	1.050	Tons, US Shipping
1	Ton, US Shipping	=	40.0	Cubic Feet
1	Yard	=	0.9144	Meters

Energy Conversion Factors

1	Btu	=	0.252	kcal
1	Btu	=	2.931×10^{-4}	KWh
1	Btu/cu. ft.	=	8.90	$kcal/m^3$
1	Million Btu	=	1.055	GJ
1	Million Btu	=	0.9649	Mcf
1	GJ	=	0.9145	Mcf
1	Million Btu/tonne	=	0.90719	Million Btu/short ton
1	Million Btu/short ton	=	0.2777	Million kcal/tonne
1	Million Btu/long ton	=	0.248	Million kcal/tonne
1	Calorie	=	4.186	Joules
1	Horsepower hr	=	0.746	KWh
1	Million kcal/tonne	=	4.033	Million Btu/l. ton
1	Million kcal/tonne	=	3.601	Million Btu/s. ton
1	KWh	=	3.411	MBtu
1	KWh	=	859.6	kcal
1	KWh	=	1.34	Horsepower hrs
1	KWh	=	2.4	lb HP steam (42 atm)
1	KWh	=	3.0	lb HP steam (3 atm)
1	kWh/tonne	=	0.90719	kWh/short ton
1	kWh/short ton	=	1.1023	kWh/tonne
1	mcm	=	36.59	mmBtu at heat of 1,036.4 Btu/cf

Other Constants and Conversions Factors

Calorific Values

Natural gas	900-1,100 Btu/ft^3
LNG	49-53 mmBtu/tonne
LPG	46 mmBtu/tonne
Naphtha	44 mmBtu/tonne
Fuel oil	40 mmBtu/tonne
Coal	20-30 mmBtu/tonne
Methanol	21 mmBtu/tonne
Hydrogen	113 mmBtu/tonne

Nutrient Factors

To Convert		To	Multiply By
P_2O_5		BPL	2.185
BPL		P_2O_7	0.4577
KCl		K_2O	0.61
K_2O (K)		KCl	1.6
Florida Rock:	Polk County	=	68-70% BPL
	Mardee County	=	62-66% BPL
Kapuskasing Phosphate Rock		=	83% BPL
Western U.S. States Phosphate Rock		=	70% BPL

Crop Weight Conversions

	1 tonne =	1 bu =
Barley (Australia, New Zealand)	44.092 bu (50 lb)	0.022680 tonne
Barley (United States, Canada)	45.931 bu (48 lb)	0.021772 tonne
Canola/Rapeseed	44.092 bu (60 lb)	0.022680 tonne
Flaxseed (United States, Canada, Australia)	39.368 bu (56 lb)	0.025401 tonne
Corn (Maize) (United States, Canada, Australia, New Zealand)	39.368 bu (56 lb)	0.025401 tonne
Oats (Australia, New Zealand)	55.116 bu (40 lb)	0.018144 tonne
Oats (Canada)	64.842 bu (34 lb)	0.015422 tonne
Oats (United States)	68.894 bu (32 lb)	0.014515 tonne
Potatoes (United States, Canada)	36.744 bu (60 lb)	0.027216 tonne
Rice, paddy (Australia)	52.490 bu (42 lb)	0.019501 tonne
Rice, paddy (United States)	48.991 bu (45 lb)	0.020412 tonne
Rye (Australia)	36.744 bu (60 lb)	0.027216 tonne
Rye (United States, Canada, United Kingdom, New Zealand)	39.368 bu (56 lb)	0.025401 tonne
Soya beans (United States)	36.744 bu (60 lb)	0.027216 tonne
Wheat (generally applicable)	36.744 bu (60 lb)	0.027216 tonne

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East Asia

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