U.S. Herbicide Company Geneaologies

(created by Arnold P. Appleby, Prof. Emeritus Crop Science, Oregon St. University)

Echigoya 1673
Mistui
1920 cotton division
Tomen Agro US 1995 Tomen Corp 1970 Toyo Menka Kaisha
2002 (life sci. divis.)
Arysta Life Sci. No. Amer. Corp. 2005 Arvesta Arysta Life Sci. 2001
(subsid. of Arysta)
life. sci. divis. (Nichimen Agrimart)
Nichimen Corp. 1982 Nichimen Co., Ltd
1943
Japanese Cotton Trading Co. 1892

Cela
Angel Pharmacy
Celamerck 1972
EMD 2003 EM Indust Merck KgaA 1668
1986 U.S. Divis. of Merck
Shell International
American Cyanamid (subsid. of American Home) 1994 American Cyanamid 1907
(Home & Garden to Rhone Poulenc in 1990; Celamerck in Ger.; sold to Scotts in 1998)
2000
J.B. Ford Co. Glassworks late 1880s
Wyandotte Chem Corp. 1943
Michigan Alkali Co. 1893
1969
Hoechst
Hochst 1863
BASF Corp. 1986 BASF-Wyandotte 1969 BASF Colors & Chem. I.G. Farben 1925 BASF 1865
Bayer
Bayer 1863
(plus other companies)
(BASF comes from Badische Anilin & Soda Fabrik)
(I.G. Farben dissolved in 1945 and 12 companies emerged in 1951, including the original three major ones)
(BASF acquired Sandoz corn herbicides and some personnel in 1996 when Sandoz merged with Ciba)

Upjohn Co. 1902 Upjohn Pill & Granule Co. 1886
TUCO (div. of Upjohn)
Boots 1883 Brit & Amer.
Botanic Estab. 1849
Boots/Hercules America 1979
BFC 1981 (BHA)
Hercules 1912 (DuPont)
1985 1983
Fisons 1966
(DuPont spun off Hercules and Atlas anti-trust)
Whiffen & Sons 1912 Whiffen-Hull 1854

NOR-AM NOR-AM Chem Co. 1984 Schering US 1929 Schering 1871
(subsidiary of Schering AG) Note: Schering Corp. was barred from US in 1952
Richmond & Co. 1848
Morton Salt Co. 1910
1955
AgrEvo 1994
NOR-AM Ag Products 1969
Morton Internat.
Morton-Norwich 1969
Hoescht-Ag 1951 Hochst Meister, Lucius, & Co. 1863
(see BASF for I.G. Farben period)
Norwich 1887
Aventis Crop Science 1999
Wittman et Poulenc Jeune 1858
1860
(Sedagri marketed mature R-P herbicides) Mobil May & Baker 1834
Poulenc Freres
agri. divis. 1981
1934
Rhone-Poulenc Rhodia Division Rhone - Poulenc 1928
1987 1964
Societe Chimique des usines du Rhone 1895
Chipman 1926?
Gilliard & Cartier 1854
Union Carbide Ag. Products 1898
1977
Amchem 1959 American Chemical Plant 1914
Amchem Products Rorer-Amchem 1968
1977
Rorer Pharmaceutical
(note: History of Rhone-Poulenc varies with reference. Encl. Brittanica says R-P originated in 1801 as Maison Debal-Extraits Tintoriaux)
(Everest to Arysta)
Pittsburgh Coke & Chem. 1929
Chemagro 1950
1/3 shares to Bayer 1953
Geary Chem Co. Bayer Licensee 1949
Miles Lab. Miles Medical Co. 1884
1978-79
all shares to Bayer 1967 (see BASF for I.G. Farben period)
Bayer Crop Science Miles Mobay Baychem Chemagro Bayer Bayer 1863
(Bayer regained the rights to the company name in U.S. in 1994) (Bayer and Monstano formed Mobay in 1954 to make polyurethanes.)
1995 1974 1971 (in 1977, Bayer bought out Monsanto because of anti-trust actions)

M & T Chem 1962 Metals & Thermite 1918 Goldschmidt Detinning Co. 1908
(acquired by Elf-Aquataine 1997)
TotalFina 1989 Atochem 1984 Elf-Aquataine 1976 ERAP
1989 (subsuduary of E-F) 1966
Cerexagri 2001 Atofina 2000 Elf-Atochem N.A. 1992 Atochem N.A. SNPA
(subsiduary of Atofina) 1989
Sharples Cotton Poisons
1951 1940s
Elf-Aquataine Pennwalt Pennsalt 1957 Pennsylvania Salt 1850
1969
Wallace-Tiernan 1911

Great Lakes Chem. Corp 1960 Great Lakes C em o. 1936
Witco Corp 1944 Wishnick-Tumpeer 1920
C.K. Witco 1999 Crompton Co. 1851
(briefly) Crompton-Knowles 1897
Chemtura Corp. 2005 LJ&FB KNowles Co. 1856
1995
Wittichen Chem Corp. 1930
Duphar Thompson-Hayward 1966
(subsidiary of Phillips) Dominion Rubber Co.
1983 Naugatuck Chem. Co. 1904
Crompton Corp. Uniroyal Chem. Co. ~1980 Uniroyal, Inc. Chemical Div. 1967 U.S. Rubber 1892
National India Rubber Co.
1888
National Rubber Co.-Bristol
ag. products 1963 (U.S. Rubber formed in 1982 from consolidation of 9 small companies)
Squibb 1968 1952 Squibb
Mathieson Chem. Corp. Mathieson Alkali Works 1892
Olin Corp. 1969 Olin-Mathieson 1954
Olin Indust. Equitable Powder Co. 1982
1898
Western Carriage Co.

Sanachem S.A.
1997
Elanco Products Co. 1960 Eli Lilly 1876
(ag chemicals)
Dow AgroSciences LLC 1998 Dow-Elanco 1989 Murphy Chem. Midland Chem. 1890
~1982 1900
2001 remaining shares 1998 1996 55% Dow Dow 1987
Mycogen 1982
~1984 Wachker Chemie
(regional-ag chem)
Rohm & Hass Ag. Chem Rohm & Haas-U.S. 1917 Rohm & Haas (Germany) 1907

Shell Development, division of Shell Oil
1986 (agricultural portion)
Shell Ag Chem Co.
1986
Shell Ag. Chem Divis. of Shell Chem Co.
DuPont DuPont 1802
(Hercules and Atlas formed from DuPont in 1919 anti-trust action)

Velsicol 1985 Velsicol 1965 Velsicol Co. 1931
(subsid. of Farley Indust.) (subsid. of NW Indust.) 1965
(Michigan Chem. Divis. closed in 1978) Michigan Co. 1935
Oldbury Chem. 1906
1956
1986 Hooker Chem. Co 1906
1968
Zoecon Hooker Subsid. of Occidental Occidental 1920
1977
Zoecon 1968
Merck Crop Prot. 1983
(Estab. as US division of Merck KgaA in 1891. Became independent in 1917)
1997 Sandoz Crop Protection Zoecon Crop Prot. of Sandoz Sandoz 1895 Kern & Sandoz Co 1886
1973
Novartis Crop Protect. 1996 Internat. Minerals & Chem. (pesticides)
Clavel 1859
1873
R. Maag Ag. 1844 Ciba 1884 Bindschedler & Busch
~1990
Ciba 1992 Ciba-Geigy 1970
(In 1884, Bindschedler & Busch became "Gesellschaft fur Chemische Industrie Basel". The abbreviation 'Ciba' became so common it became Ciba in 1945)
(agricultural products) 1971 J.R. Geigy 1914 Ardsley Co. 1758
Esso Res. & Engineering 1955 Standard Oil Devel. Co.
Victor Chem. Works 1903 ?
1959
Syngenta 2000 (C-P bought by Unilever, PLC) Stauffer (subsid. of Chesebrough-Pond's) Stauffer 1895
1987 1984-85
Stauffer ag chemicals 1987
(sold acetachlor to Dow) Canett Corp United Alkali
1941 Stuart 1971 Nobel Industries
1961 Atlas 1912 (from DuPont) Imperial Chem. Ind. 1926
(In 1987-88, ICI sold Stauffer basic chem production to Rhone-Poulenc) Brunner,Mond & Co.
1972 1968 Brit.Dyestuffs
Astra ICI America, Inc 1971 ICI United States
1999 (merged, then demerged in 1993) 1963
AstraZeneca Zeneca Ag Products Chipman of Canada 1928
(1937-Plant Protection Ltd. formed as a 50-50 joint co. between ICI and Cooper McDougall & Roberson.1953-PPL becomes wholly owned by ICI. 1964-PPL becomes part of ICI Ag Div. 1973-PPL becomes fully independent from ICI Ag Div.)
1998
(except Asia/Pacific)
G.B. Biosciences
(sold Dacthal to AMVAC, 2001) Ishihara (purchaser) 1916
Shamrock Oil & Gas 1929
1910 DiamondAlkali Chem.
1990
ISK Biosciences 1990 Fermenta ASC Fermenta Pl. Prot. 1986 Fermenta AB 1967 Ansul
1985 ag prod 1915
1970s
Diamond Shamrock
SDS Biotech 1983 Bastol Sales Co. 1912
Showa Denko

Montecatini 1888
Montedison 1966
Edison 1884
Isagro USA 2003 Isagro 1992 Enimchem Agricolturea 1991 Entimont 1989 Enichem 1953
(temporary) subsid. of ENI- 1953

Pharmacia 1911
Pharmacia-Upjohn 1995
Upjohn 1886
Monsanto Co. 2002 Monstanto (subsidiary of Pharmacia Corp.) 2000
Monsanto Monsanto Chemical Works 1901

Columbia Chem. Co. 1899 Southern Alkali Co 1930-1934 ?
(subsidiary of Pittsburgh Plate Glass)
(early 1940s)
Columbia-Southern Chem.
(Chemical Division of Pittsburgh Plate Glass)
PPG Industries (no longer in agr. chem.) PPG Industries 1968 Pittsburgh Plate Glass 1883
Some products to Chevron, some to Amer. Cyanamid
Sumitomo Chemicals 1913 Osaka Hokko Kaisha Masatomo Sumitomo early 17th cent.
Abbott Ag Specialties
Chevron California Chem. Co. 1957 California Spray Chem. Co. 1907
2000
1988 (U.S. agric products)
Valent Biosci. Corp 2000 Valent USA Corp.
(independent subsidiary of Valent USA) (in 1991, became a wholly owned subsidiary of Sumitomo)
Note: Chevron ex-U.S. agric. products to Tomen Agro. and Rhone Poulenc
Chevron lawn and garden (Ortho) to Monsanto (Solaris Divis. in 1993). These products then sold to Scotts in 1998.

Created by the APS Office of Industry Relations
©2008 Syngenta Crop Protection, Inc., P.O. Box 18300, Greensboro, NC 27419.
(Robyn Torkewitz, Marketing Technology)