



Herbicide Company “Genealogy”

October 2018

The following chart is intended to show the history of the major U.S. herbicide companies. The information depends largely on people’s memories, which sometimes can be inexact, on records from the headquarters of major companies, and from histories on the internet. No guarantees are made for accuracy, although I think it is pretty close. The dates of the founding of companies or of acquisitions and mergers sometime vary slightly from one reference to another, so they should not be considered as solid historical facts.

Only U.S. companies are listed. International companies are listed only if they had subsidiaries in the U.S., such as Bayer or BASF. I have tried to include mergers or acquisitions of entire companies or the ag divisions of companies, but acquisition of individual products are mentioned only occasionally. In many cases, the major company continues in existence and it is the agricultural division that becomes part of another company. Example: Aventis sold its ag products division to Bayer while the pharmaceutical portion of Aventis continues. Acquisitions of seed companies are not included.

The major companies included are those with a history of synthesis, screening, and development of herbicides in the U.S., even if their parent company is overseas. This excludes marketing companies, post-patent distributors, and those companies dealing only with non-herbicide pesticides. Some companies have a distinguished herbicide history but no longer develop new herbicides. These are so noted.

Numerous companies and individuals have been consulted and have been very helpful. But I have not always followed suggestions exactly if I felt I had more accurate information from a different source, so all the errors and omissions are mine.

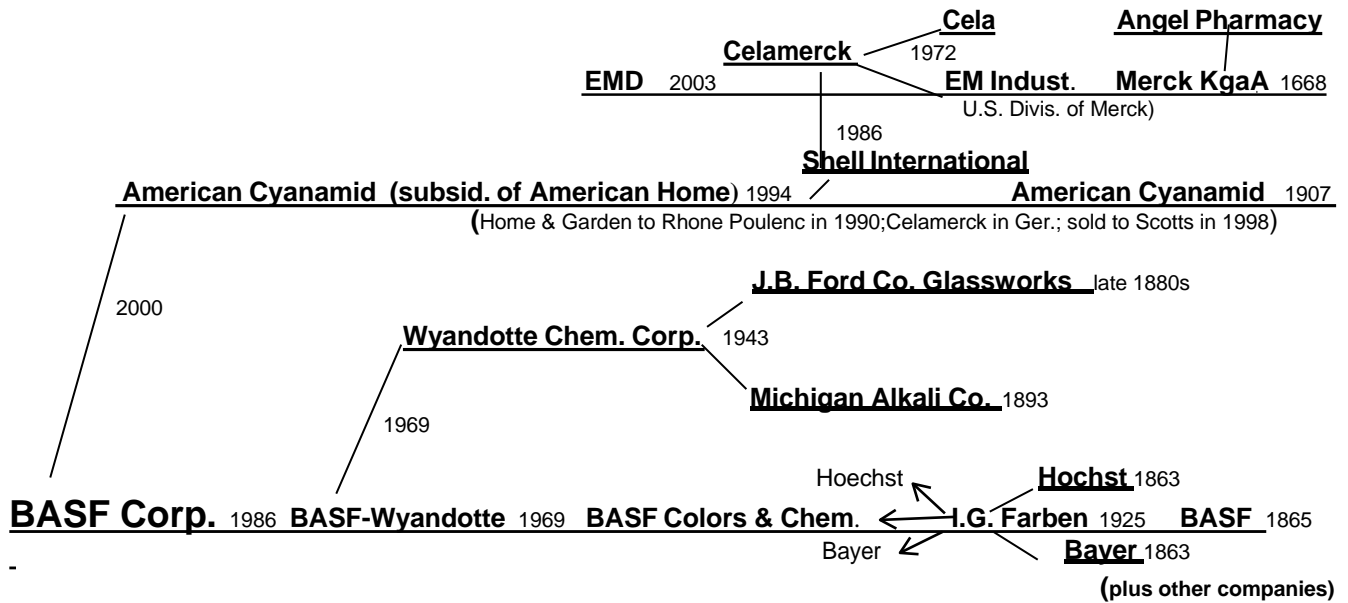
E-mail me and I can send you a chart directly.

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History of the U.S. Herbicide Companies

February 2018

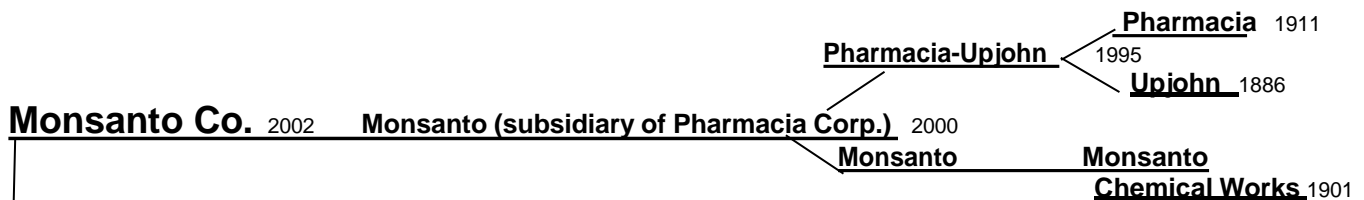
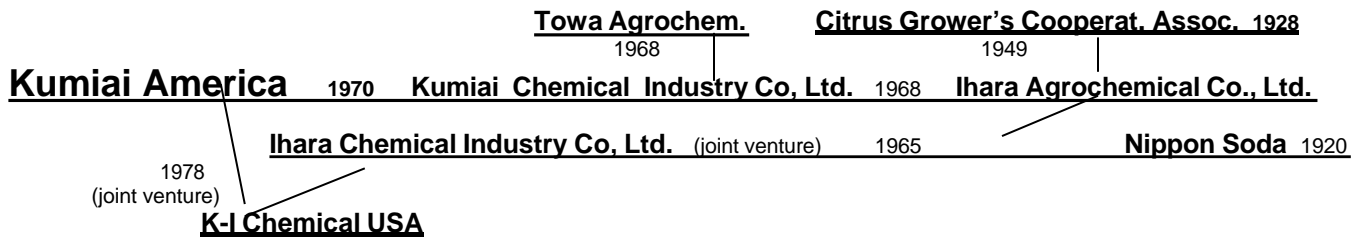
Arnold P. Appleby, Oregon State University

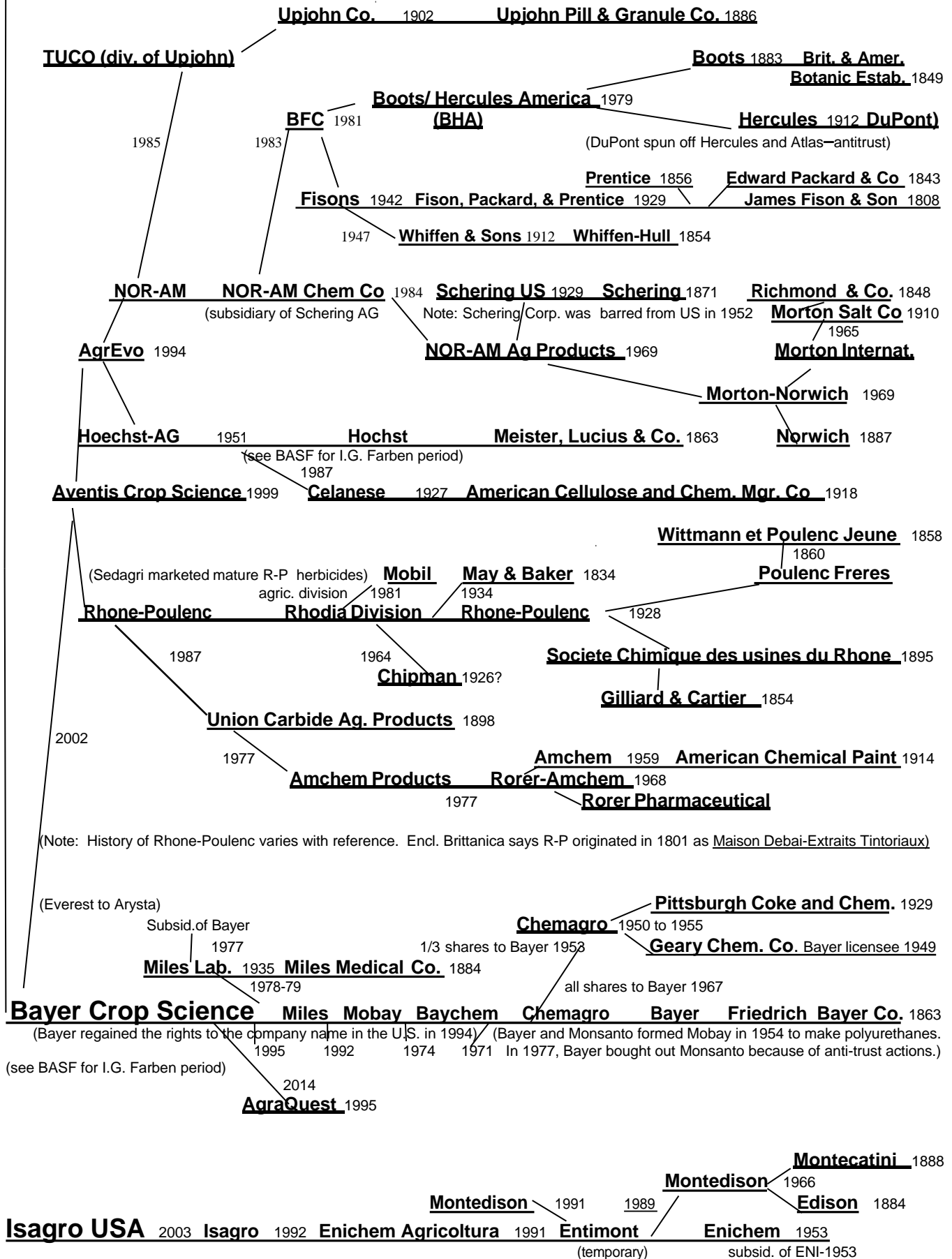


(BASF comes from Badische Anilin & Soda Fabrik)

(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-1996 when Sandoz merged w/ Ciba)





Echigoya 1673

Mitsui
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

(subsidiary of Arysta)

life sci. divis. (Nichimen Agrimart)

Nichimen Corp. 1982 | **Nichimen Co., Ltd**

1943

Nippon Menka Kaisha 1892
(**Japanese Cotton Trading Co.**)

Platform Acquisitions Holding 2013

Great Lakes Chem. Corp 1960 | **Great Lakes Chem. Co.** 1936

2013 **McDermid**

2005 | **Witco Corp.** 1944 | **Wishnick-Tumpeer** 1920

C.K. Witco
(briefly) 1999

Crompton Co. 1851

Platform Speciality Products | **Crompton-Knowles** 1879

LJ & FB Knowles Co. 1856

2014 | **Chemtura AgroSolutions Corp.**

1996

Duphar

Thompson-Hayward 1966
(subsidiary of Philips)

Wittichen Chem. Co. 1930

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

(U.S. Rubber formed in 1892 from consolidation of 9 small companies.)

ag. products 1983

Squibb 1968

1952 | **Squibb**

Mathieson Chem. Corp. | **Mathieson Alkali Works** 1892

Olin Corp. 1969 | **Olin-Mathieson** 1954

Olin Indust.

Equitable Powder Co. 1892

1898

Western Cartridge Co.

2017

M & T Chem 1962 | **Metals & Thermite** 1918 | **Goldschmidt Detinning Co.** 1908
(acquired by Elf-Aquitaine 1977)

TotalFina

1989

Atochem 1984 | Elf-Aquitaine 1976 | ERAP

(subsidiary of E-F)

1966

Cerexagri 2001 | **Atofina** 2000 | **Elf-Atochem N.A.** 1992 | **Atochem N.A.**

(subsidiary of AtoFina)

SNPA

1989

Elf-Aquitaine

Pennwalt

1969 | **Wallace-Tiernan** 1911

Sharples

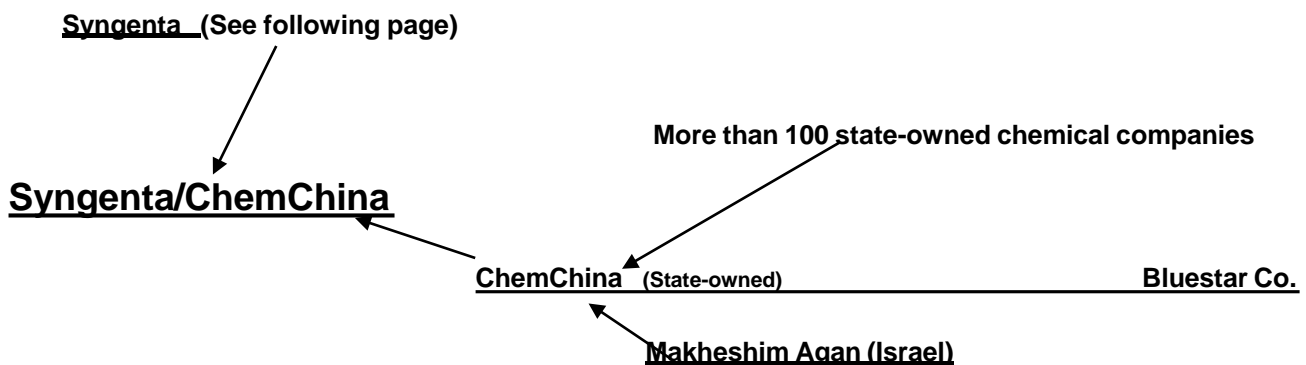
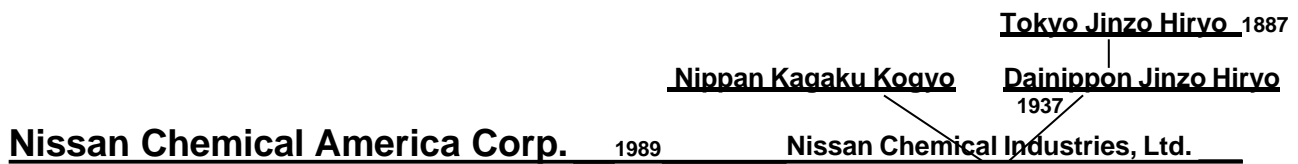
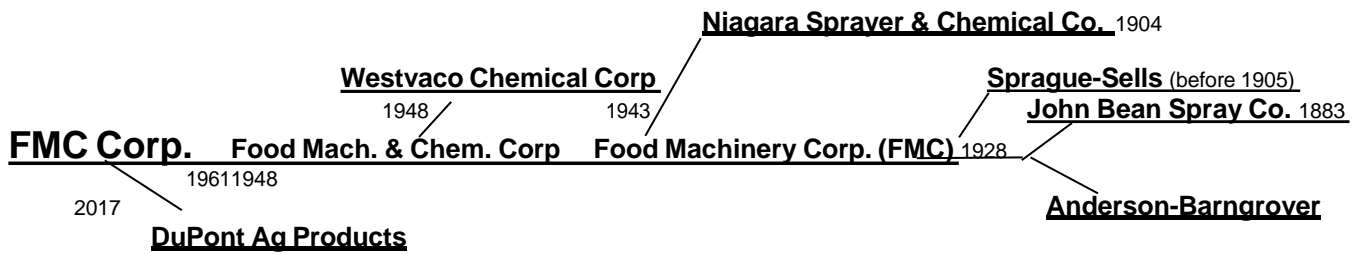
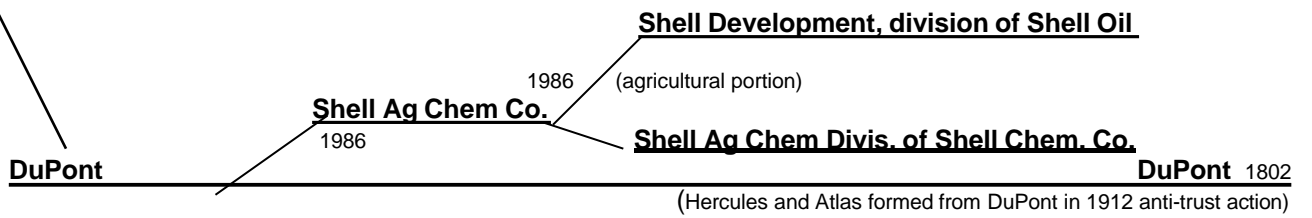
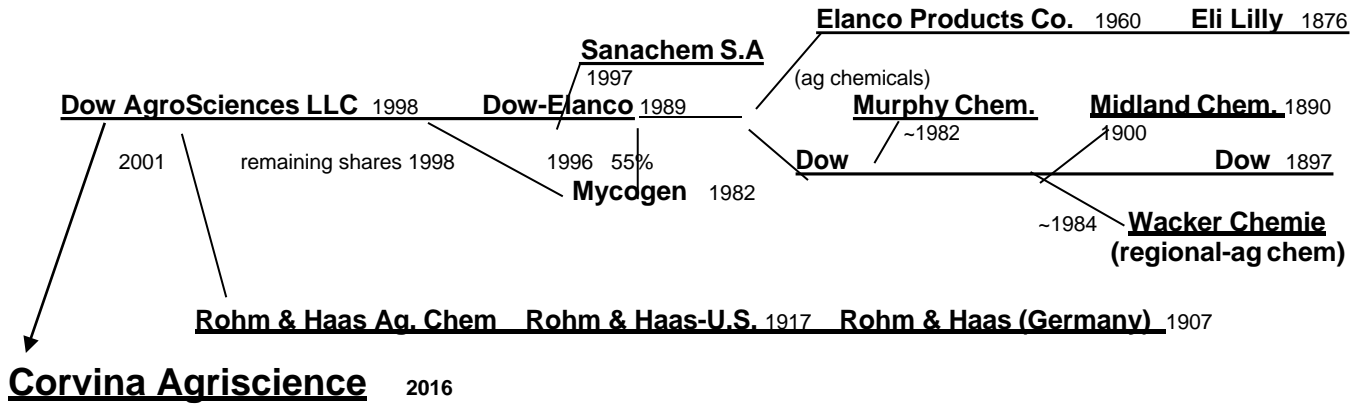
1951

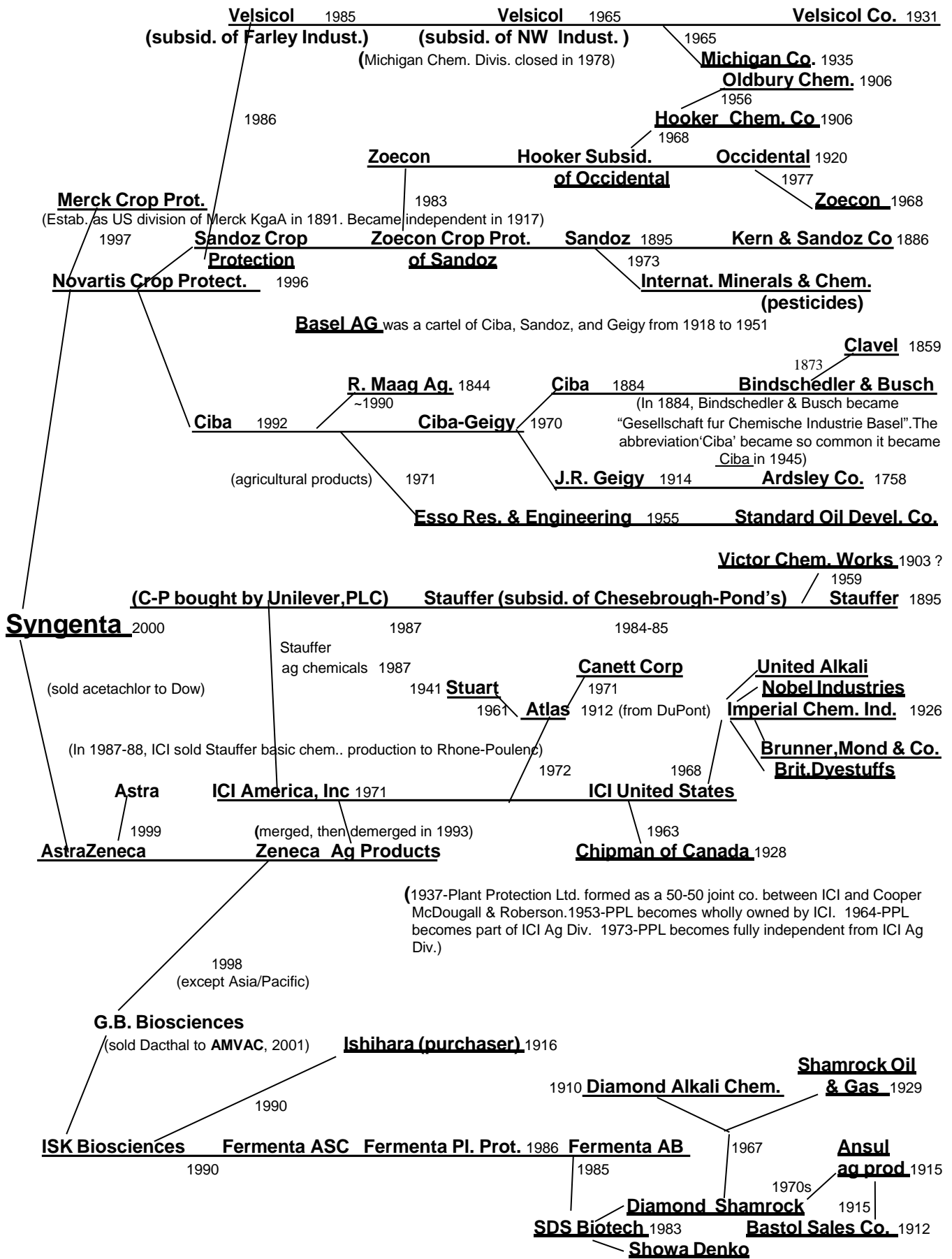
Pennsalt 1957

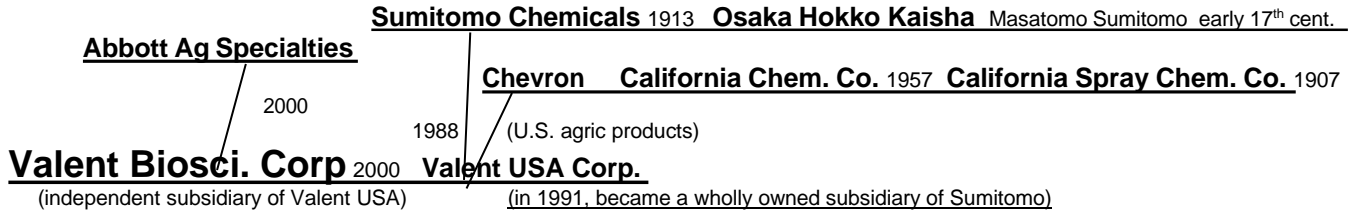
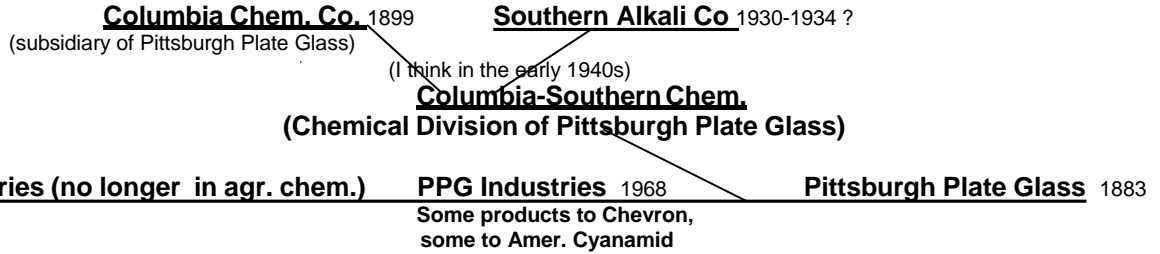
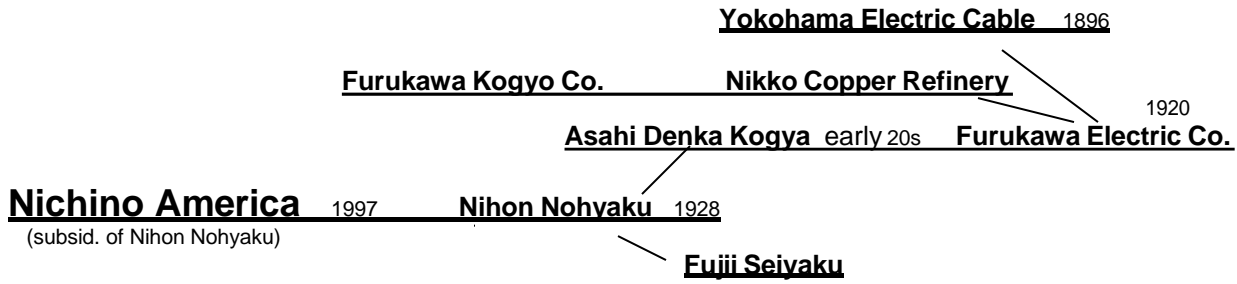
Cotton Poisons

1940s

Pennsylvania Salt 1850







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.

Other Companies

Besides the 80-some names included in the preceding chart, there were other companies that were once associated with herbicides. Some are still companies, such as PPG, but are no longer in the herbicide business. Some apparently sold any products and ceased to exist. Some perhaps were primarily distributors and owned no products of their own, although I have omitted what I perceive to be strictly marketing companies or herbicide distributors.

Following is a partial list along with examples of products that were associated with them. Please feel free to send me additions or corrections.

<u>Company</u>	<u>Herbicides</u>
Agrolinz	Sold pyridate to Sandoz in the 1990s.
Air Products	AP-20
Allied Chem. (General Chem. Div.)	HCA. Urox, Urab (Some products to Hopkins> United Ag Products. Since dropped.)
Antara	Primarily wetting agents
Atlas and Hercules	Atlas had Atlacide (later sold by Chipman), Hercules had Herban and Antor. Hercules formed in 1882 jointly by Laflin & Rand and DuPont. Because of antitrust action, Atlas and Hercules were formed from DuPont in 1912. Atlas was purchased by ICI in 1971 and Hercules merged with Boots.
Buckman Labs.	Buban
Esso (Standard Oil of NJ) –ag chem sold to Ciba-Geigy. Name then changed to Exxon.	Stoddart solvent, Tolban sold to Ciba-Geigy.
PBI-Gordon	Private Brands, Inc. was formed in 1947. It bought Gordon Corp. in 1956 and company name became PBI-Gordon in 1970. It worked with many major companies as formulator and packager. Were associated with phenoxies, diclobenil, Embark, et al. Now market phenoxy formulations, primarily for lawn care, including TriMec.
3 M	Destun, Sustar, Embark was sole to PBI-Gordon.
Reichhold	Na PCP
Sharples	Introduced endothall in 1951. Became subsidiary of Pennsylvania Salt Co. in 1951, and their chem. products integrated in 1955.
Spencer → Gulf	Clobber, Outfox, Topcide, Prefox. Carbyne sold to Velsicol.
Sunco	Major supplier of Stoddart Solvent.
Tenneco	TCH-1626. TCH- 1636
U.S. Borax	Borascu, Borolin, Ureabor, Cobex (Some products to Occidental; Cobex now produced by Wacker in Germany)
Vertac	dinoseb, manufactured and distributed several generic chemicals
Vineland	organic arsenicals