

# Ciba Seeds Files For r-DNA Corn

GREENSBORO, N.C. — Ciba Seeds (a division of Ciba-Geigy Corporation) has submitted to the U.S. Environmental Protection Agency (EPA) an application for registration of corn genetically engineered for control of insect pests.

Ciba Seeds becomes the first company to seek full federal approval of a staple grain crop that is produced through DNA technology. The only genetically engineered crop currently available commercially is Calgene's FLAVR SAVR® tomato which was only recently approved by the US Food and Drug Administration (FDA).

EPA acts as the lead federal regulatory authority for crops genetically engineered for protection against pests. Ciba Seeds will also seek formal clearance from the US Department of Agriculture (USDA) as well as file a pre-market notification to the FDA in compliance with each agency's regulations and guidelines.

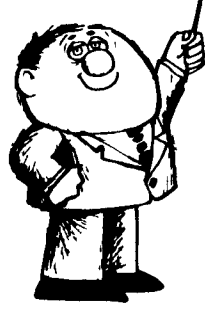
Ciba Seeds' insect protected corn produces a protein derived from the naturally occurring soil bacterium, *Bacillus thuringiensis*, commonly referred to as "Bt," which has been widely recognized for its safe use as a registered biological pesticide since 1961. Corn plants producing the Bt insect control protein (referred to as "Bt corn") are protected from insect pests such as the European corn borer (ECB), a major pest that can cause significant yield loss and is both expensive and difficult to control with conventional insecticides.

Ciba Seeds' request for EPA registration is the result of a step-wise development plan to provide cost-effective, insect-protected hybrid corn seed that reduces farmer production risks and costs.

Following extensive greenhouse evaluations, Ciba Seeds conducted small-scale field tests under permits granted by the USDA and began larger scale field trials in 1993 under an EPA experimental use permit. Ciba Seeds International has also conducted trials in a number of countries throughout the world.

Ciba Seeds' Bt corn provides unprecedented efficiency in protection of the corn plant from the target pest. Each corn plant produces very small quantities of its own insect control protein, most of which is localized in corn leaves and pollen where it is needed for control of ECB. Other plant parts, including kernels, have only trace amounts of the insect control protein. As a result, this unique method of pest control may significantly reduce the use of insecticides to control the target pest. In Ciba Seeds' field trials, Bt corn plants achieved higher yields due to control of low-level pest infestations that would be uneconomical to control through conventional means.

The European corn borer can cause yield losses of up to 30-percent with average losses of 8-percent being reported in a recent survey of farmers in Iowa and Minnesota. A yield loss of 8-percent on Iowa's 12 million acres of corn alone would mean a potential loss of nearly \$300 million per year. In limited field trials conducted in 1992 and 1993, Ciba Seeds' Bt corn achieved an average yield gain of 35-percent under conditions of heavy infestation as compared to corn lines lacking the Bt gene. Bt corn has the potential to replace about 3.1 million application-acre treatments of conventional insecticides in the US each year with resulting benefits to farmers and consumers.



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Flaxseed oil aids against arthritis, heart disease, cancer, diabetes, and other diseases also Dog house never used. Berks Co. 610-944-0773.

Formica top table and six chairs also brown swivel chair rocker like new. 819 W. Penn Ave., Robeson, Pa. 19551

JD A, NI 323 picker, JD 3 bottom hydraulic trailer plow, NI 56-G tedder rake, MF 3 pt rake. Sch. Co. 717-754-4101

Waltco hyd lift gate 2500 lb. cap \$300. Jenny 700 series steam cleaner both good cond \$450 Berks Co 610-756-6486

Nice clean orig. John Deere 2940 tractor, new 18.4x334 rubber, 15 spd 1000-540 live PTO, WFE 4575 hrs Berks Co 610-987-6374.

Beautiful 22 ac. farm nestled in N. mountains. Leb. Co 4-6 BR 2 bath fire-place, pond, 2 barns, 2 garages, mobile home \$239,000. Leb. Co. 717-865-2504.

Ford Flanger 1985 4x4 3" bodylift double crome roll bar, four KC daylighters, alum. wheels, Weber carburetor \$4995. Berks Co. 610-286-7716.

DeLaval TH45 8 ft. pit pump, 2 pt. hitch with cyl., recently rebuilt \$600 Sept., Oct. freshening heifers. Berks Co. 610-678-7629

John Deere RX75 riding mower w/bagger, like new \$1100 or trade for older farm tractor. Sch. Co. 717-345-4029 between 5-9 PM.

Black and white paint pony mare, 13H \$650. Rides and drives, 9 years old, has produced flashy foals, Sch. Co. 717-385-3078.

1070 Case poor trans., good power unit \$3500. MF 69C corn head as is \$900. Juniata Co. 717-589-7676.

1992 Arctic jag special \$2700. 1993 ext. 5802 \$3900. Ex. with covers 1500 miles Lacka. Co. 717-563-2257.

Tractor tires 14.9-26 mounted on rims 90% tread \$150 for the pair. Chester Co. 610-942-2161.

Accordian 120 bass, made in Italy, has five shifts, black, ex. cond. Like new \$350. Berks Co. 610-693-5624.

Registered border collie puppies born July 24, 1994, black & white markings, parents both working on farm. Snyder Co. 717-837-0295.

Antique Polaroid camera outfit, complete, case, flash, etc. ex. cond. \$35. Chester Co. 610-935-4945.

1953 Autocar tractor model C657 64,000 orig. miles, all orig. inside and outside, garage kept, ex. shape \$3500. Hunterdon Co. 908-735-5532.

Case 580B backhoe \$6250. Mack B60 tandem tractor diesel, 30 ton winch \$3,000, trailway 900 cu. ft. cement tanker \$2500. Berks Co. 610-944-8153.

We need 30 people to lose 30 pounds. earn as you lose. Chester Co. 610-857-1693.

Garden way composter \$150. 3 cast iron radiators 53x23, 28x25 and 24x22 Perkasio, Berks Co. 215-795-2844 after 6 p.m.

Ten 3-7 yr. old horned Dorset ewes \$30 each. Wythe Co. Va 703-228-2862.

1976 Buick 13.3K orig. miles, looks/smells new \$3500. 1930's mahogany DR set w/6 chairs, nice JD's 530-60 908-359-5206.

Llamas 2 bred registered females \$3500 each. 5 month old male very friendly \$600. Ct. 201-564-2579.

Whitetail deer fawns, and adult deer. Lehigh Co. 610-767-0962.

Fordson tractor runs, 4 steel wheels, rear fenders, potato harvester, wheel driven, single row Wash. Co. 412-348-7765.

Haybine self-propelled, Case 655 good cond. on steel \$850. Berks Co. 717-933-5812.

Reel to reel tape recorder or some to make minor repairs. Sch. Co. 717-345-8815.

15 qt. White Mountain ice cream freezer, stump anvil, large hand crank Niagara open end crimper, beater, antique bike. Mont. Co. 215-256-9925.

50 open breeding age holstein heifers, vac. Cumb. Co. 717-532-6146.

NI 324 4 RW, 12 roll, late model, v.g. cond. \$3000. IH 234 cornpicker \$500. IH 2MH cornpicker \$200. Juniata Co. 717-463-2231.

David Bradley side delivery rake, good cond., shed kept since new, best offer, Lanc. Co. 717-426-2500 evenings only.

JD G49 GD cond runs good \$2500. H&R both run good, fenders ABG 67 Mustang project car. After 8 p.m. Fred. Co. 301-831-9090.

11+ acres farm, house, barn, stream, spring, Field Twp. Dallastown School Dist., York Co., Pa. 717-428-1258.

77 1/2 ton Chev. pickup, Angus/Jersey bull, service age, JD 60 push blade, clover seed screen for 60 ac. combine, 30"x125' rubber belt, Wanted direct cut for Fox 456 chopper. Adams Co. 717-633-9508.

Ford single axle tractor, 1974. \$1800. Atlantic Co. NJ 609-561-2332.

1951 H Farmall good cond. \$1000. 500G platform scales, good \$75. York Co. 717-927-6132.

AKC Yorkie pups, shots, wormed, males \$275. Females \$300. Amos S. Stoltzfus, Jr. 84 William Run Rd., Christiana, Pa. 17509. Lanc. Co.

446 Case 18 horsepower garden tractor, 1992 engine 44" mower deck, snowblade and chains \$1650. Lanc. Co. 717-786-1232.

Reg. sad. mare chestnut 15.2 hands, rides, drives, ideal for pleasure driving, soft mouth, sensitive \$1100 OBO. Lanc. Co. 717-656-6906.

Ocean City, Md. Furnished park model trailer, sun-room, shed, boat, marina, pool, security, year round use, own lot. Berks Co. 610-286-5885.

Meyers chuck wagon Model 500 used one season \$5000. 610-369-1415.

Papec 32 harvester, one row, working cond., asking \$350. Berks Co. 717-933-8870.

Wheat Madison-Excel from cert. sled, 84 Olds Outlass ciera 75, Gehl, Dion silage wagons, Ford 24' rollback, 26,000 lb. Berks Co. 610-683-3009.

Dump truck Chevy 60 series \$2700 John Deere 450 track loader \$7500. 1979 Dodge cube van, \$1000. Sch. Co. 717-366-2404.

Berks 35' NI corn elevator \$900. 2 Row W NI corn picker, good cond. Needs elevator \$1000. 610-683-7119.

Three choppers 717 super 717, 600 Gehl parts or fix. York Co. 717-456-5285.

Young boar for sale. Lanc. Co. 717-656-3780.

68 Ford F700 tk. flatbed, Schwartz wide front end for IH, NH #7 forage wagon front end, IH #810 flex head. Snyder Co. 717-374-1407.

IH 650 harvester with table, no heads. Lanc. Co. 717-656-8730.

Ford 1 row mounted corn picker, good shape \$200. Olivier 2 RW corn head for 525 combine, field ready \$300. York Co. 717-633-1592.

Tires and rims 18.4x34 half plus tread 15" rims. 717-656-2431 Lanc. Co.

Second cutting alfalfa in round bales wrapped. Lanc. Co. 717-445-6917.

Wrapped high moisture alfalfa round bales for sale. Leb. Co. 717-867-1329.

Int. 990 haybine bolt on knives, good cond. \$950. 1 ton GMC truck 1955 needs work \$200. 717-349-7551 Franklin Co.

Disk harrow pull type 8 ft. \$100 OBO. Baltimore Co. Md. 410-343-0069.

NI 325 2 RN corn picker \$3250. NH 667 manure spreader, ex. cond. \$1000. Shuttle stroke barn cleaners. Dauphin Co. 717-758-2078.

Rye seed, 4x24 grain auger, water heater 30 gal. gas, kitchen cabinets X-sizes, auto washer, fire-place insert. Harford Co. 410-692-5048.

IH #470 14' disc with furrow fillers, very good cond. \$1650. Leb. Co. 717-469-0356 after 5 p.m.

Registered St. Bernards one older male, also puppies. No Sunday calls. Perry Co. 717-438-3375.

Tractor MM M670S 75 Hp 2800 orig. hours, plows four 16" hydraulic reset semi mounted. Mifflin Co. 717-899-6080 eves.

Case 308 semi mounted spring reset 3 bottom plow set of new shares, can be added to, good cond. Mifflin Co. 717-667-3467.

2 bumper hitch like new trailers, 1990 Int. 18 ft. flatbed with removable 16 1/2' sides 8,000 lb. GVW 1994 10 ft. tilt-bed 3,000 lb. GVW. Cumb. Co. 717-776-5931.

270 Cummins diesel complete rebuilt, 270 HP turbo, also rebuilt with compression relief, cheap. 717-687-7548 evenings.

12 bunnies 3 month old, 8 bunnies 8 weeks old. Lanc. Co. 717-354-5507.

Motors slant 6 67,000 miles, 77 Buick V6 auto-train used slate 1.50 each no. 6 MH mower York Co. 717-993-2358.

10 yr. old standardbred gelding anyone can drive. Henry K King, 33 A Corner Catch Rd., Paradise, Pa 17562.

Tractor tine and wheel 11x38 good, also 8x36 717-264-8814

Potato equip, Tarto 40 ft. bin stackers with hydraulic stinger, Hesston 425 harvester, Hesston 225 windrower, trucks, Cambria Eves. 814-674-5710.

3 year old saddlebred mare green broke \$800. Isaac Hoover, Martindale Rd., New Holland, Lanc. Co. 17557.

Porterway tomato harvester, 3 pair steel wheels 36" diameter, \$45. per pair. Lanc. Co. 717-653-5344.

24'x80' steel building 7 1/2 ton fiberdome feed bin both new, never put up, make offer, must sell Northampton Co. 610-863-8114 after 7 p.m.

Dump body & hoist 8 1/2 x7 cab protector, good cond. \$300. '46 Dodge trk. 12x7 oak body & tarp \$350. 610-262-6478.

Pickup attachment and snapper head for Gehl chopper shed kept, used very little 703-937-5375.

AKC Boxer pups, shots and wormed, brindle with black mask, ready 9-3-94 \$325. Lanc. Co. 717-788-8124.

1984 Chevy Citation p.s. automatic new tires, battery, inspected until Feb. 95 AM/FM cassette, good cond. 30 mpg. \$1,000. Neg. Leb. Co. 717-865-6836.

Cockshut fifteen disc, grain drill on rubber, good cond. Leb. Co. 717-867-2255 or 867-1280.

Ferguson 30 new tires \$2,375. 3 pt. cultivator \$275, 2 bottom plows \$285. NH baler 3,400. All ex. cond. Morris Co. NJ 201-334-0918.

15 pr. King Pigeons \$10 a pr. Jacob Mast, 21345 Back Rd., Doylestown, Pa. 17219. Frank. Co.

International truck 1979 S-Series 21 ft. flatbed good tires, 404 engine, power steering, Cumb. Co. 717-243-6425.

2 Duroc boars 300 lbs tested, heavy bone, reasonable price will deliver, 5 ft. peg harrow \$40. York Co. 717-632-4722.

Culvert tanks, 8'x10 1/2', 8'x21' open end one end, 4' opening other end, feed bin use. Must sell Berks Co. 610-926-3841.

10 HP air compressor with tank, motor \$650. 84 Elcamino with toppler \$3750. York Co. 717-252-0760.

JD #34 two wide row 1000 RPM harvester NH two beater forage wagon, Fox PTO blower. York Co. 717-225-3471.

Case Vac tractor, good cond. \$550. Oliver 4340 3 bottom trail type plows \$300. Cumb. Co. 717-249-8038.

New 1,344 sq. ft. log lodge with porches in N. Franklin Co. Hunt on state, fish in pond. Priced at building cost 717-532-4882.

Stainless steel milking parlor feeders, steel 9" silo fill pipe, free: Green gas range, Leb. Co. 717-867-1061.

1986 Ford F150 4x4 6 cyl. stock PS, PB, 52,000 mi. Cumb. Co. 717-258-4897 after 9 p.m.

NI 323 corn picker, one owner, good \$1800. Dauphin Co. 717-367-2052.

One year old registered quarterhorse, real nice markings, gentle, green broke, best offer. Lanc. Co. 717-354-2479.

Twin Jersey bulls 5 mo old, different sizes rabbit cages waterlines Levi S. Kauffman, 266-A Bell Rd., Christiana, Pa. 17509.

Onan 16 HP engine \$350. 54" snow blade fits Case 446-448 \$150 York Co. 717-741-3412.

Gehl 99 forage blower, ex. cond. \$1400. NI 2 row wide corn picker \$600. Leb. Co. 717-838-2488

Heavy duty Hobart C-100 3 pseed mixer 3 beaters, 8 875x16.5 tires 8 ply cheap 20 Case 1 lb. honey jars. 717-394-8725.

Fox harvester 2RN elec. knife sharpener field ready \$900. Juniata Co. 717-535-5813.

Registered 1992 Nubian buck black, white spots, grandsires: Super buck & Flashpoint. also 1991 Flashpoint son. \$275 each OBO. Pike Co. 717-775-9136.

5'x7' tilt bed trailer, very good cond. \$550 OBO. Remington model 58 12 gauge semi-auto. shotgun \$200. Leb. Co. 717-949-2415.

Silo 10'x30' steel w/roof, must move. Cumb. Co. 717-249-3327.

JD 5200 3 row 7' pickup attach. ex cond. \$26,000. 1994 JD #385 round baler, ex. cond. \$15,000. Call after 6:30PM Leb. Co. 717-866-9116.

Farmall Cub with cultivators, good cond, good tires \$2150. 302-284-8774.

Dual axles with 15 inch wheels and tires with leaf springs \$50. each. Cumb. Co. 717-532-4348 after 5.

Nubian bucks born 5-27-94 triplets can be reg. Frank. Co. 717-369-4568.

Suffolk ram lambs 75.00 from proven reg. ram Wanted to trade non-related ram. Berks Co. 610-689-5554.

Touch furnace No. 400, good cond. 717-944-5028 Middletown, Pa. 17057.

Black Angus cattle. John Deere 60 tractor, good cond. \$2500. Sch. Co. 717-366-2024.

Porch enclosure alum. 14'x12' Jalousie windows screen and storm windows \$350 or BO. Chester Co 610-286-6871.

400 gal. Mojonnier bulk tank with 3 HP compressor, compressor used 3 yrs Snyder Co. 717-837-0295

Saddlebred mare 11 yrs old, never been used much, broke safe & sound \$2500. John Stoltzfus, 21 Loop Rd., Quarryville, Pa 17566.

Farmall C with 1 row mounted corn picker 1800 OBO. 2 hole & 1 hole Mountville corn shellers, \$150. for 2. 610-326-0156

Badger silage wagon \$1250. Case 13 disk grain drill, \$80. Chicken range shelter \$50. NI blower \$155. Lanc. Co 717-653-5926.

10 ft. hand brake, 20 ga. Pittsburg machine, 30 in bar folder, 4 box & pan brake, tinsmith stake's plates, York Co 717-792-9282.

All registered Holstein herd DHIA testing, outstanding 4% herd, since 1951 reason death of my husband Glenn Johnson 814-926-3669.

Gibson chest freezer, 15 cu. ft. needs freon 20. good cooler Whirlpool washer avocado hvy. dty. \$195 Lanc. Co. 717-354-5090.

JD 4400 combine, 1172 hrs. #213 flexible platform #443 narrow corn head, 1975, like new shape \$15,000. Tioga Co. 717-724-1344.

John Deere 30" 6 row bean header 16 ft. Brillion transport harrow, Brady rotobearer 5 row Monroe Co. 717-629-0777.

1949 Dodge PU truck, good orig. cond., was inspected till 5-94. 5 window \$1500. 717-753-3619.

1949? economy tractor with Wisconsin motor serial #1289, runs good, new rear tires, \$500 with plow & cultivator HG dozer \$2000 Schuykill Co. 717-386-3143.

John Deere model 38 chopper, parts hay head, 1 row corn head & 43230 eng. block head, injector pump, alt. 51 Chevy dump trk., not running. York Co. 717-456-5484.

13.6x28 4 ply tires and power adjust rims off of 430 JD rims good except paint \$350. Lanc. Co. 717-445-5952.

AQHA colt, sorrel 15.1 hands, incentive fund \$950 OBO. Also youth saddle 14" pleasure dark oil \$275. York Co. 717-259-7721.

Combine run rye \$3.00 per bushel, approx. 250' bushels. Steuben Co. NY 607-523-8434.

68 International stake body truck 6 good 10x20 tires runs \$600 OBO. 215-767-4735.

McCormick grain drill single disc, grass seeder, on steel \$150. Papec 10" hammer-mill \$100. Perry Co. 717-567-6710.

One JD Van Brunt grain drill, stored indoors, also, Intl. No. 16# chopper, w/ grass and corn heads, very good cond. 717-689-2158.

1941 JD H with snowplow \$1500. MH 446R \$1500 OBO. 717-746-3224 after 6 p.m. Bradford Co.