

Chronology of Bt COTTON in India

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March 10, 1995: Department of Biotechnology (DBT) of the Government of India permits import of 100 gm of transgenic Cocker-312 variety of cottonseed cultivated in the United States by Mahyco. This variety contained the Cry 1 Ac gene from the bacterium *Bacillus thuringiensis*.

April 1998: Monsanto-Mahyco tie up- Monsanto given permission for small trials of Bt cotton 100 g per trial by Department of Biotechnology (DBT).

January 8, 1999: RCGM expresses satisfaction over the trial results at 40 locations and on April 12th directs MAHYCO to submit applications for trials at 10 locations before MECH.

2000-2002: ICAR trials were conducted at different AICCIP centres of Central and South Zone locations.

February 20, 2002: The Indian Council of Agricultural Research (ICAR) submits a positive report to the Ministry of Environment on the field trials of Bt cotton. It is now expected that the Genetic Engineering and Approval Committee (GEAC) of the environment ministry will approve commercial use of Bt cotton within a month.

March 25, 2002: Approval given for commercial cultivation to three Bt Cotton hybrids of M/s. MAHYCO by GEAC

2004: RCH 2 Bt given approval for commercial cultivation by GEAC

2005: 16 Bt cotton hybrids are given approval for commercial cultivation by GEAC

2006: Events *cry 1 Ac* (Event 1); *cry 1 Ac + cry 2 Ab* (MON 15985 Event); *cry 1 Ab+cry 1 Ac* introduced

2006: 42 Bt cotton hybrids are given approval for commercial cultivation by GEAC

2007: Event *cry 1 Ab* and *cry 1 Ac* (GFM *Cry 1A*) introduced

2007: 68 Bt cotton hybrids are given approval for commercial cultivation by GEAC, in total 131 Bt cotton hybrids approved between 2002-07 for commercial cultivation in India.

**Bt Cotton hybrids approved for
commercial cultivation in India At various zones
during 2002-07**

April 2002				
1	MECH 12 Bt ***	M/s Mahyco Seeds Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central (renewed)
2	MECH 162 Bt***	M/s Mahyco Seeds Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central & South (renewed)
3	MECH 184 Bt***	M/s Mahyco Seeds Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central & South (renewed)
April 2004				
4	RCH 2 Bt	M/s Rasi Seeds Ltd	<i>cry 1 Ac</i> (MON 531 Event)	Central & South
April - June 2005				
5	NCS 207 Mallika	M/s Nuziveedu Seeds Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central & South
6	NCS 145 Bunny	M/s Nuziveedu Seeds Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central & South
7	RCH 144 Bt	M/s Rasi Seeds Ltd	<i>cry 1 Ac</i> (MON 531 Event)	Central
8	RCH 118 Bt	M/s Rasi Seeds Ltd	<i>cry 1 Ac</i> (MON 531 Event)	Central
9	RCH 138 Bt	M/s Rasi Seeds Ltd	<i>cry 1 Ac</i> (MON 531 Event)	Central
10	RCH 20 Bt	M/s Rasi Seeds Ltd	<i>cry 1 Ac</i> (MON 531 Event)	South
11	RCH 368 Bt	M/s Rasi Seeds Ltd	<i>cry 1 Ac</i> (MON 531 Event)	South
12	RCH 134 Bt	M/s Rasi Seeds Ltd	<i>cry 1 Ac</i> (MON 531 Event)	North
13	RCH 317 Bt	M/s Rasi Seeds Ltd	<i>cry 1 Ac</i> (MON 531 Event)	North
14	MRC 6322 Bt	M/s Mahyco Seeds Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	South
15	MRC 6918 Bt	M/s Mahyco Seeds Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	South
16	MRC 6301 Bt	M/s Mahyco Seeds Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central & North
17	MRC 6304 Bt	M/s Mahyco Seeds Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	North
18	Ankur 651 Bt	M/s Ankur Seeds Ltd	<i>cry 1 Ac</i> (MON 531 Event)	Central & North
19	Ankur 2534 Bt	M/s Ankur Seeds Ltd	<i>cry 1 Ac</i> (MON 531 Event)	North
20	Ankur 09	M/s Ankur Seeds Ltd	<i>cry 1 Ac</i> (MON 531 Event)	Central
April - July, 2006				
21	MRC 6025 Bt	M/s Mahyco Seeds Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	North
22	MRC 6029 Bt	M/s Mahyco Seeds Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	North
23	NCS 913 Bt	M/s Nuziveedu Seeds Ltd	<i>cry 1 Ac</i> (MON 531 Event)	North, Central & South
24	NCS 138 Bt	M/s Nuziveedu Seeds Ltd	<i>cry 1 Ac</i> (MON 531 Event)	North
25	RCH 308 Bt	M/s Rasi Seeds Ltd.	<i>cry 1 Ac</i> (Event 1)	North
26	RCH 314 Bt	M/s Rasi Seeds Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	North
27	RCH 377 Bt	M/s Rasi Seeds Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central
28	RCH 111 BG I	M/s Rasi Seeds Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	South
29	RCH 371 BG I	M/s Rasi Seeds Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	South
30	RCHB 708 BG I	M/s Rasi Seeds Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	South
31	GK 205 Bt	M/s Ganga Kaveri Seeds Pvt. Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central
32	GK 204 Bt	M/s Ganga Kaveri Seeds Pvt. Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central
33	GK 209 Bt	M/s Ganga Kaveri	<i>cry 1 Ac</i> (MON 531 Event)	South
34	GK 207 Bt	M/s Ganga Kaveri	<i>cry 1 Ac</i> (Event 1)	South
35	KDCHH 9810 Bt	M/s Krishidhan Seeds Pvt. Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central, South & North (2007)
36	KDCHH 9632 Bt	M/s Krishidhan Seeds Pvt. Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central & South
37	KDCHH 9821 Bt	M/s Krishidhan Seeds Pvt. Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central
38	ACH 33-1 Bt	M/s Ajeet Seeds Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central & South

39	ACH 155-1	M/s Ajeet Seeds Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central & South
40	Tulasi 4 Bt	M/s Tulasi Seeds Pvt. Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central & South
41	Tulasi 117 Bt	M/s Tulasi Seeds Pvt. Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central & South
42	NPH 2171 Bt	M/s Prabhat Seeds Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central & South
43	Brahma Bt	M/s Emergent Genetics	<i>cry 1 Ac</i> (MON 531 Event)	Central & South
44	VICH 5 Bt	M/s Vikram Seeds Pvt. Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central & South
45	VICH 9 Bt	M/s Vikram Seeds Pvt. Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central & South
46	PRCH 102 Bt	M/s Pravardhan Seeds Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central
47	PCH 2270 Bt	M/s Prabhat Seeds Ltd.	<i>cry 1 Ac</i> (Event 1)	South
48	VCH 111 Bt	M/s Vikki Agrotech Pvt. Ltd.	<i>cry 1 Ac</i> (Event 1)	Central, south
49	MRC 7301 BG II	M/s Mahyco Seeds Ltd.	<i>cry 1 Ac</i> and <i>cry 2 Ab</i> (MON 15985 Event)	Central
50	MRC 7326 BG II	M/s Mahyco Seeds Ltd.	<i>cry 1 Ac</i> and <i>cry 2 Ab</i> (MON 15985 Event)	Central
51	MRC 7347 BG II	M/s Mahyco Seeds Ltd.	<i>cry 1 Ac</i> and <i>cry 2 Ab</i> (MON 15985 Event)	Central, South (2007)
52	MRC 7351 BG II	M/s Mahyco Seeds Ltd.	<i>cry 1 Ac</i> and <i>cry 2 Ab</i> (MON 15985 Event)	South, Central (2007)
53	MRC 7201 BG II	M/s Mahyco Seeds Ltd.	<i>cry 1 Ac</i> and <i>cry 2 Ab</i> (MON 15985 Event)	South
54	KDCHH 441 BG II	M/s Krishidhan Seeds Pvt. Ltd.	<i>cry 1 Ac</i> and <i>cry 2 Ab</i> (MON 15985 Event)	Central
55	ACH 11-2 BG II	M/s Ajeet Seeds Ltd.	<i>cry 1 Ac</i> and <i>cry 2 Ab</i> (MON 15985 Event)	Central
56	JKCH 1947 Bt	M/s JK Agri Genetics Seeds Ltd.	<i>cry 1 Ac</i> (Event 1)	North
57	JK Varun Bt	M/s JK Agri Genetics Seeds Ltd.	<i>cry 1 Ac</i> (Event 1)	Central
58	JK Durga Bt	M/s JK Agri Genetics Seeds Ltd.	<i>cry 1 Ac</i> (Event 1)	South
59	JKCH 99 Bt	M/s JK Agri Genetics Seeds Ltd.	<i>cry 1 Ac</i> (Event 1)	South & Central (2007)
60	NCEH 6R	M/s Nath Seeds Ltd.	<i>cry 1 Ab+cry 1 Ac</i>	North
61	NCEH 2R	M/s Nath Seeds Ltd.	<i>cry 1 Ab+cry 1 Ac</i>	Central, South (2007)
62	NCEH 3R	M/s Nath Seeds Ltd.	<i>cry 1 Ab+cry 1 Ac</i>	South & Central (2007)
May 2007				
63	Ankur 226 BG	M/s Ankur Seeds Ltd	<i>cry 1 Ac</i> (MON 531 Event)	North
64	PCH 406 Bt	M/s Prabhat Agri Biotech Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	North
65	Sigma Bt	M/s Vibha Agrotech Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	North , Central & South
66	Ole Bt	M/s Vibha Agrotech Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	North, South
67	SDS 1368 Bt	M/s Nandi Seed Pvt Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	North
68	SDS 9 Bt	M/s Nandi Seed Pvt Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	North
69	IT 905 BG I	M/s Proagro Seed Company	<i>cry 1 Ac</i> (MON 531 Event)	North
70	NAMCOT 402 Bt	M/s Namdhari Seeds Pvt Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	North
71	GK 206 Bt	M/s Ganga Kaveri Seeds Pvt Ltd	<i>cry 1 Ac</i> (MON 531 Event)	North
72	6317 Bt	M/s Bio-seeds Research	<i>cry 1 Ac</i> (MON 531 Event)	North
73	6488 Bt	M/s Bio-seeds Research	<i>cry 1 Ac</i> (MON 531 Event)	North
74	MRC 7017 BG II	M/s Mahyco Seeds Ltd.	<i>cry 1 Ac</i> and <i>cry 2 Ab</i> (MON 15985 Event)	North
75	MRC 7031 BG II	M/s Mahyco Seeds Ltd.	<i>cry 1 Ac</i> and <i>cry 2 Ab</i> (MON 15985 Event)	North
76	NCS 145 BG II	M/s Nuziveedu Seeds Ltd	<i>cry 1 Ac</i> and <i>cry 2 Ab</i> (MON 15985 Event)	North, South
77	ACH 33-2 BG II	M/s Ajeet Seeds Ltd.	<i>cry 1 Ac</i> and <i>cry 2 Ab</i> (MON 15985 Event)	North, South
78	JKCH 1050 Bt	M/s JK Agri Genetics Seeds Ltd.	<i>cry 1 Ac</i> (Event 1)	North
79	Tulasi 9 BG I	M/s Tulasi Seeds Pvt. Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central
80	KCH 135 Bt	M/s Kaveri Seeds Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central, South
81	KCH 707 Bt	M/s Kaveri Seeds Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central, South
82	PRCH 31 Bt	M/s. Paravardhan Seeds Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central
83	Rudra Bt	M/s. Paravardhan Seeds Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central, South
84	Dyna Bt	M/s Vibha Seeds Pvt Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central, South
85	VBCH 1009	M/s Vibha Seeds Pvt Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central
86	VBCH 1010	M/s Vibha Seeds Pvt Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central

87	SP 504 BI (Dhanno)	M/s Proagro Seed Pvt. Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central, South
88	VICH 15 Bt	M/s Vikram Seeds Pvt. Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central
89	322 Bt	M/s Bio-seeds Research	<i>cry 1 Ac</i> (MON 531 Event)	Central
90	110 Bt	M/s Bio-seeds Research	<i>cry 1 Ac</i> (MON 531 Event)	Central
91	Jai BG	M/s Ankur Seeds Ltd	<i>cry 1 Ac</i> (MON 531 Event)	Central, South
92	Akka BG	M/s Ankur Seeds Ltd	<i>cry 1 Ac</i> (MON 531 Event)	Central, South
93	NCS 954	M/s Nuziveedu Seeds Ltd	<i>cry 1 Ac</i> (MON 531 Event)	Central, South
94	NCHB 992	M/s Nuziveedu Seeds Ltd	<i>cry 1 Ac</i> (MON 531 Event)	Central, South
95	PCH 115	M/s Prabhat Agri Biotech Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central, South
96	PCH 205	M/s Prabhat Agri Biotech Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central
97	NSPL 406 Bt	M/s. Nandi Seeds Pvt. Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central
98	NSPL 36 Bt	M/s. Nandi Seeds Pvt. Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central, south
99	NSPL 999 BG I	M/s. Nandi Seeds Pvt. Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central, South
100	ABCH 1165 Bt	M/s. Amar Bio-tech Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central, South
101	KDCHH 786 Bt	M/s Krishidhan Seeds Pvt. Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central
102	RCH 386 BG I	M/s Rasi Seeds Ltd	<i>cry 1 Ac</i> (MON 531 Event)	Central
103	SP 923 Bt (IT 923 Bt)	M/s Bayer Bioscience Pvt. Ltd	<i>cry 1 Ac</i> (MON 531 Event)	Central
104	6188 Bt	M/s Bioseeds Research India	<i>cry 1 Ac</i> (MON 531 Event)	Central, South
105	563 Bt	M/s Bioseeds Research India P	<i>cry 1 Ac</i> (MON 531 Event)	Central
106	NCS 955	M/s Nuziveedu Seeds Ltd	<i>cry 1 Ac</i> (MON 531 Event)	Central
107	PCH 923	M/s Prabhat Agri Biotech Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	Central
108	340 Bt	M/s Bioseeds Research India	<i>cry 1 Ac</i> (MON 531 Event)	South
109	ACH 21	M/s Ajeet Seeds Ltd	<i>cry 1 Ac</i> (MON 531 Event)	South
110	NSPL 405Bt	M/s Nandi Seed Pvt Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	South
111	PCH 930 Bt	M/s Prabhat Agri Biotech Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	South
112	PCH 207 Bt	M/s Prabhat Agri Biotech Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	South
113	NCS 950 Bt	M/s Nuziveedu Seeds Ltd	<i>cry 1 Ac</i> (MON 531 Event)	South
114	NCS 929 Bt	M/s Nuziveedu Seeds Ltd	<i>cry 1 Ac</i> (MON 531 Event)	Central, South
115	NCHB 990 Bt	M/s Nuziveedu Seeds Ltd	<i>cry 1 Ac</i> (MON 531 Event)	South
116	ABCH 1220 Bt	M/s Amar Biotech.	<i>cry 1 Ac</i> (MON 531 Event)	South
117	KDCHB 407 Bt	M/s Krishidhan Seeds Pvt. Ltd.	<i>cry 1 Ac</i> (MON 531 Event)	South
118	Ajeet 155 BG II	M/s. Ajeet Seeds Ltd.	<i>cry 1 Ac</i> and <i>cry 2 Ab</i> (MON 15985 Event)	Central
119	RCH 2 BG II	M/s Rasi Seeds Ltd.	<i>cry 1 Ac</i> and <i>cry 2 Ab</i> (MON 15985 Event)	Central, South
120	RCH 515 BG II	M/s Rasi Seeds Ltd.	<i>cry 1 Ac</i> and <i>cry 2 Ab</i> (MON 15985 Event)	Central
121	NCS 207	M/s Nuziveedu Seeds Ltd	<i>cry 1 Ac</i> and <i>cry 2 Ab</i> (MON 15985 Event)	Central
122	MRC 7160 BG II	M/s Mahyco Seeds Ltd.	<i>cry 1 Ac</i> and <i>cry 2 Ab</i> (MON 15985 Event)	South
123	621 BG II	M/s Krishidhan Seeds Pvt. Ltd.	<i>cry 1 Ac</i> and <i>cry 2 Ab</i> (MON 15985 Event)	Central, South
124	RCH 530 BG II	M/s Rasi Seeds Ltd.	<i>cry 1 Ac</i> and <i>cry 2 Ab</i> (MON 15985 Event)	South
125	RCH 533 BG II	M/s Rasi Seeds Ltd.	<i>cry 1 Ac</i> and <i>cry 2 Ab</i> (MON 15985 Event)	South
126	Kashinath	M/s. Nath Seeds Ltd.	<i>cry 1 Ab</i> and <i>cry 1 Ac</i> (GFM <i>Cry 1A</i>)	Central, South
127	Dhruv Bt	M/s. Zuari Seeds Ltd.	<i>cry 1 Ab</i> and <i>cry 1 Ac</i> (GFM <i>Cry 1A</i>)	Central, South
128	Navkar Bt	M/s. Navkar Hybrids Pvt. Ltd.	<i>cry 1 Ab</i> and <i>cry 1 Ac</i> (GFM <i>Cry 1A</i>)	Central
129	JKCH 666 Bt	M/s JK Agri Genetics Seeds Ltd.	<i>cry 1 Ac</i> (Event 1)	Central
130	JKCH 226 Bt	M/s JK Agri Genetics Seeds Ltd.	<i>cry 1 Ac</i> (Event 1)	Central
131	JKCH 634 Bt	M/s JK Agri Genetics Seeds Ltd.	<i>cry 1 Ac</i> (Event 1)	South

States covering each zone:

Central Zone (Madhya Pradesh, Maharashtra & Gujarat)
 South Zone (Andhra Pradesh, Karnataka & Tamil Nadu) and
 North Zone (Punjab, Rajasthan & Haryana).
 *** Approval not renewed for Andhra Pradesh State.