



No. BT/01/013/2009-PID (SOUTH)

Dated: 05.05.2009

OFFICE MEMORANDUM

Subject: Recommendation of the Standing Committee for Bt cotton hybrids expressing four approved events namely Event MON 531 (*cry1Ac*); Event MON 15985 (*cry1Ac* + *cry2Ab*), GFM Cry1A (*cry1Ab* & *cry1Ac* gene) and JK Event 1 (*cry1Ac*) eligible for commercial release by the State Agriculture Departments in **South zone**.

The Genetic Engineering Approval Committee (GEAC) established under Rule-4 of the Rule-1989 has adopted Event based approval mechanism (EBAM) in respect of Bt cotton hybrids expressing approved events in its meeting held on 02.04.2008 and subsequently a new procedure under the EBAM was adopted by the GEAC in its 91st meeting held on 14.01.2009. Details of the new procedure adopted under the EBAM is available at GEAC website i.e. http://www.envfor.nic.in/divisions/csurv/geac/geac_home.html. In accordance with the decision taken by GEAC in its meeting held on 14.01.2009, the Ministry of Environment & Forests (MoE&F) had constituted a 'Standing Committee' to review the applications for commercial release of Bt cotton hybrids expressing approved events vide O.M. No. 13/39/2007-CS-II dated 17.04.2009. The Standing Committee in its 1st meeting held on 17.04.2009 considered applications received from various seed companies for their eligibility for commercialization of Bt cotton hybrids expressing 4 approved events as subjected above.

2. The applications were scrutinized by the Standing Committee as per new procedure for commercial release of Bt cotton hybrids vide Revised O.M. No. 13/39/2007-CS-II dated 17.04.2009 issued by MoE&F for the following:

- Confirmation of gene/ event through molecular characterization by the licensor that the gene/s which is being used is one of the approved events;
- Level of protein expression in green house and field trials;
- Morphological characters using DUS descriptors;
- Bio-efficacy data generated in laboratory conditions;
- Authorization certificate/ No Objection Certificate (NOC) from technology provider in case of sub-licence.

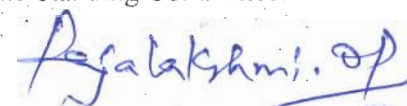
3. Based on the above new procedure, the Standing Committee has recommended the following Bt cotton hybrids for commercial release in the **South zone (Andhra Pradesh, Karnataka and Tamil Nadu)** by the State Agriculture Departments subject to terms & conditions laid down by the respective State Department of Agriculture as adopted for conventional (non-Bt) cotton seeds/hybrids or truthfully labeled seeds as per the State Governments procedures.

Sl. No.	Zone	Event	Company	Hybrid Number/ Name
1.	South	<i>cryIAc</i> gene (MON 531)	M/s. Seed Works International Pvt Ltd., Hyderabad	SWCH-4428 Bt, SWCH-4531 Bt, SWCH-4314 Bt
2.	"	"	M/s. Bayer Biosciences Pvt. Ltd., Hyderabad	SP 1170 B1, SP1016 B1
3.	"	"	M/s. Bioseed Research India Pvt. Ltd., Hyderabad	118 Bt/MON 531
4.	"	"	M/s. Ankur Seeds Pvt. Ltd., Nagpur	Ankur-238 Bt, Ankur- 3082 Bt, Ankur HB 1024 Bt
5.	"	<i>cryIAc</i> & <i>cry2Ab</i> genes (MON 15985)	M/s. Seed Works International Pvt Ltd., Hyderabad	SWCH-2 BG-II, SWCH-4708 BG-II, SWCH- 4703 BG-II, SWCH 4715 BG-II, SWCH-4720 BG-II. SWCH 5017 BGII, SWCH 5011 BG II
6.	"	"	M/s. Solar Agrotech Pvt. Ltd., Rajkot	SOLAR- 66 BG-II, SARJU BG-II, SOLAR- 60 BG-II
7.	"	"	M/s. Rasi Seeds Pvt. Ltd., Attur	RCH-20 BG-II
8.	"	"	M/s. Bayer Biosciences Pvt. Ltd., Hyderabad	SP-1171 B2, SP 504 B2 (Dhanno) BGII
9.	"	"	M/s. Ganga Kaveri Seeds Pvt. Ltd., Hyderabad	GK-218 BGII, GK-221 BGII, GK-223 BGII
10.	"	"	M/s. Monsanto Holdings Pvt. Ltd., Mumbai	MLBCH6 BGII, Atal BGII
11.	"	"	M/s. Bioseed Research India Pvt. Ltd., Hyderabad	110-2, 118-2, 61888-2
12.	"	"	M/s. Ankur Seeds Pvt. Ltd., Nagpur	Jai BG-II, Ankur- 3028 BG-II, Ankur- 3034 BG-II, Ankur- 257 BG-II, Ankur- 356 BG-II, Ankur- 3066 BG-II, Ankur HB 2110 BG-II
13.	"	"	M/s. Namdhari Seeds Pvt. Ltd., Bangalore	NAMCOT- 604 BG-II, NAMCOT-605 BG-II, NAMCOT-614 BG-II, NAMCOT-615 BG-II

14.	"	"	M/s. Kaveri Seed Co. Ltd., Secundrabad	KCH-707 BGII, KCH-14K59, BGII, KCH-15K39 BGII, KCH-36 BGII, KCH-999 BGII
15.	"	GFM Cry1A (<i>cry1Ab</i> & <i>cry1Ac</i> gene)	M/s. Green Gold Seeds Ltd., Aurangabad	GBCH-04 Bt, GBCH-07 Bt
16.	"	"	M/s. Yashoda Hybrid Seeds Ltd., Wardha	YRCH-4 Bt, YRCH-9 Bt, YRCH-13 Bt, YRCH-31 Bt, YRCH-45 Bt, YRCH-54 Bt
17.	"	cry1Ac Event-1	M/s. JK Agri Genetics Ltd., Hyderabad	JKCH-1305 Bt, JKCHB-229 Bt

4. Both the seed companies and State Agriculture Departments would separately forward one packet containing 450 gm of seeds of each of the recommended hybrids and send to the referral laboratory i.e. Central Institute of Cotton Research (CICR), Nagpur. The CICR, Nagpur would do the testing of 10% samples randomly selected from the samples received. Rs. 10,000/- has been fixed as the fee per hybrid which may be deposited to CICR, Nagpur by the seed companies. The company should also provide the event specific primer sequence details to CICR, Nagpur for scientific scrutiny and verification of the claims submitted along with the affidavit/s furnished to the Standing Committee.

Kindly acknowledge the receipt of this letter.



(Rajalakshmi Muralidharan)
Member-Secretary, Standing Committee &
Scientist-D, DBT

To

1. The Agriculture Commissioner/
Secretary (Agriculture),
Directorate of Agriculture,
Government of Andhra Pradesh,
Hyderabad.
2. The Agriculture Commissioner/
Secretary (Agriculture),
Directorate of Agriculture, Sheshadri Road,
Bangalore, Karnataka.
3. The Agriculture Commissioner/
Secretary (Agriculture),
Department of Agriculture,
Cheupak, Tamil Nadu.

Copy to:

1. The Chairman, GEAC, MoE&F, Paryavaran Bhawan, C.G.O.Complex, Lodi Road, New Delhi-110 003.
2. Member-Secretary, GEAC & Director, CS Division, MoE&F, Paryavaran Bhawan, C.G.O.Complex, Lodi Road, New Delhi-110 003.
3. The Director General, Indian Council of Agricultural Research, Krishi Bhawan, New Delhi - 110 001.
4. Secretary, Department of Agriculture & Cooperation, Krishi Bhawan, New Delhi - 110 001.
5. The Chief Secretary & Chairman, SBCC, Govt. of Andhra Pradesh, Secretariat, Hyderabad, A.P.
6. Director of Research, Acharya NG Ranga Agricultural University, Rejendra Nagar, Hyderabad-500030, Andhra Pradesh.
7. The Chief Secretary, Government of Karnataka, Bangalore.
8. Director of Research, University of Agricultural Sciences (UAS), Krishinagar, Dharwad-580005, Karnataka.
9. Director of Research, GKVK Campus, University of Agricultural Sciences (UAS) GKVK, Bangalore-560065, Karnataka.
10. The Chief Secretary, Government of Tamil Nadu, Chennai.
11. Director of Research, Tamil Nadu Agricultural University, Coimbatore, T.N.
12. Director of Research, Tamil Nadu Agricultural University (TNAU), Coimbatore (TN) 641003.
13. Director, Central Institute for Cotton Research (CICR), Post Box No. 2, Shankar Nagar Post, Nagpur- 440010 (Maharashtra)
14. Dr. P. Balasubramanian, Director, Centre for Plant Molecular Biology, Tamil Nadu Agricultural University, Coimbatore - 641 003.
15. Dr. D. Monga, Head, Regional Station, Central Institute of Cotton Research, Sirsa, Haryana.
16. Dr. K.R. Kranthi, Principal Scientist, Central Institute for Cotton Research (CICR), Post Box No. 2, Shankar Nagar P.O., Nagpur - 440 010.
17. Dr. N. Gopalakrishnan, Project Coordinator, All India Cotton Crop Improvement Project (AICCIP), Coimbatore, Tamil Nadu.
18. Dr. K.K. Tripathi, Scientist-G & Member Secretary- RCGM, DBT, New Delhi.
19. Guard file.

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