

**Government of Rajasthan
Directorate of Agriculture, Rajasthan, Jaipur.**

F24 (104A) DAg/Bt.Cotton/2004-05/

1113

Dated 02-11-05


**Shri R.P.Mathur
Mahyco Seeds Ltd.
210-211, Navjeevan Complex,
Station Road, Jaipur**

Subject: - Permission for sale of Bt. cotton –MRC 6301Bt, & MRC 6304Bt. in Rajasthan-regarding.

Reference: - Your letter No6275/04-05 dated 28.03.2005.

With reference to your above-mentioned letter on the subject, it is stated that Government of India, vide letter No.10/7/2004-CS dated 25.03.2005, have accorded permission for commercialization of aforesaid Bt cotton varieties in North Zone, which includes Rajasthan, with certain conditions on which unequivocal acceptance of your company is required to be submitted to the GOI, within 15 days. Therefore, action taken on this aspect may be intimated to this department immediately to enable us to take further action accordingly.

Further, you are also requested to intimate us about the quantity of seeds of each Bt hybrid, as mentioned above, to be distributed in Rajasthan (location wise) along with the name of dealers/agents through whom these seeds would be sold.


**Director & SS Agriculture
Rajasthan, Jaipur.**


F24 (104A) DAg/Bt.Cotton/2004-05/

1113-24

Dated 02-11-05

Copy to:-

1. The Secretary Agriculture, Government of Rajasthan, Jaipur.
- ✓ 2. Dr. R. Warrior, Additional Director, Government of India, Ministry of Environment & Forests, CS Division, Paryavaran Bhavan, C.G.O. Complex, Lodhi Road, New Delhi-110003.
3. Jont DAg (Extension) Sriganganagar, Jodhpur, Udaipur, Bhilwara, Bharatpur, Jaipur, Q.C. (HQ) Jaipur & Project Director CAD- Kota, Bikaner for information & necessary action. Copy of the letter No.10/7/2004-CS dated 25.03.2005 of GOI is also enclosed which is to be followed strictly. Please also direct your field officers/ seed inspectors to have a constant vigil on the situation and draw sample of all suspicious cotton seeds and send it to the Central Institute of Cotton Research, Nagpur for conformity test so that sale of spurious Bt cotton seed could be checked. Legal action in this matter is to be taken in accordance with the provision of laws under Seed Act-1966, Seed (Control) Order-1983 and Environment (Protection) Act-1986 on the basis of test reports. The field officers should also check the stock position of such seed with the dealers & that bills are given with the name of farmer mentioning other details like lot number etc.


Director & SS Agriculture
Rajasthan, Jaipur.



File No. 10/7/2004-CS
Govt. of India
Ministry of Environment and Forests
CS Division

Email: warrier@nic.in
Telefax: 24363964

Paryavaran Bhavan
C.G.O. Complex,
Lodhi Road
New Delhi-110003

Dated: 25.3.2005

Subject: Permission for commercialization of MRC-6301 Bt and MRC-6304 Bt with Cry 1 Ac gene in the North Zone by M/s Mahyco.

Dear Shri Barwale,

1.0 This has reference to your letter no. SBD/622/2005 dated, 27th January 2005, regarding the above proposal. The Genetic Engineering Approval Committee (GEAC) set up by this Ministry in accordance with the Rules for Manufacture, Use, Import, Export and Storage of hazardous Microorganisms/Genetically Engineered Organisms or Cells 1989, under the Environment (Protection) Act, 1986 has considered your request in the meeting held on 4th March 2005.

2.0 After careful and in-depth consideration, of the findings of the large-scale trials and ICAR trials and taking into consideration the recommendation of MEC, RCGM and ICAR, the GEAC accorded approval for commercial cultivation of **6301 Bt and MRC-6304 Bt** for the North zone (Rajasthan, Haryana & Punjab).

3.0 The commercial release of 6301 Bt and MRC-6304 Bt containing Cry 1Ac gene is subject to the following conditions:

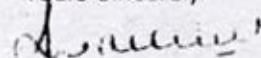
- i. The period of validity of approval is for two years i.e. from March 2005 – Feb 2007.
- ii. The applicant should look for the incidence of sucking pests on these hybrids and carry out artificial screening for CLCV resistance and submit its report to the GEAC.
- iii. The post release monitoring with specific reference to CLCV should be carried out by the State Department of Agriculture through the State Agriculture Universities and results of Kharif 2005 should be placed before the GEAC for further evaluation before the hybrids are taken up for commercial cultivation for the second year (Kharif 2006).
- iv. Every field where Bt cotton is planted shall be fully surrounded by a belt of land called 'refuge' in which the same non-Bt cotton variety shall be sown. The size of the refuge belt should be such as to take at least five rows of non-Bt cotton or shall be 20% of total sown area whichever is more.
- v. To facilitate this, each packet of seeds of the approved varieties should also contain a separate packet of the seeds of the same non-Bt cotton variety, which is sufficient for planting in the refuge defined above.
- vi. Each packet should be appropriately labeled indicating the contents and the description of the Bt hybrid including the name of the transgenes, the GEAC approval reference, physical and genetic purity of the seeds. The packet should also contain detailed directions for use including sowing pattern, pest management, suitability of agro-climatic conditions etc., in vernacular language.

- vii. M/s Mahyco shall enter into agreements with their dealers/agents, that will specify the requirements from dealers/agents to provide details about the sale of seeds, acreage cultivated, and state/regions where Bt cotton is sown.
- viii. M/s Mahyco shall prepare annual reports by 31st March each year on the use of Bt cotton hybrid varieties by dealers, acreage, locality (state and region) and submit the same in electronic form to GEAC.
- ix. M/s Mahyco shall develop plans for Bt based 'Integrated Pest Management' and include this information in the seed packet.
- x. M/s Mahyco shall monitor annually the susceptibility of bollworms to Bt gene vis-à-vis baseline susceptibility data and submit data relating to resistance development, if any, to THE GEAC.
- xi. Monitoring of susceptibility of bollworms to the Bt gene shall also be undertaken by an agency identified by the Ministry of Environment and Forests at the applicant's cost.
- xii. M/s Mahyco shall undertake an awareness and education programme, interalia through development and distribution of educational material on Bt cotton, for farmers, dealers and others.
- xiii. M/s Mahyco shall also continue to undertake studies on possible impacts on non-target insects and crops, and report back to the GEAC annually.
- xiv. The label on each packet of seeds, and the instruction manual inside the packet should contain all relevant information.
- xv. M/s Mahyco shall deposit 100 g seed each of approved hybrids as well as their parental lines with the National Bureau of Plant Genetic Resources (NBPGR).
- xvi. M/s Mahyco shall develop and deposit with the NBPGR, the DNA fingerprints of the approved varieties.
- xvii. M/s Mahyco shall also provide to the NBPGR, the testing procedures for identifying transgenic traits in the approved varieties by DNA and protein methods.

4.0. You are hereby directed to convey to the undersigned within 15 days of receipt of this communication your unequivocal acceptance of the above conditions, failing which, this approval is liable to be revoked.

This is being issued with the approval of the Competent Authority.

Yours Sincerely



(Dr R. Warriar)
Additional Director

Shri Raju Barwale,
Managing Director,
Maharashtra Hybrids Seeds company Ltd.,
Resham Bhawan,
4th Floor, 78 Veer Nariman Road,
Mumbai-400 020.

Copy To:

- 1) Dr. T. V. Ramanaiah, Scientist F, Dept. of Biotechnology, Lodi Road, CGO Complex, New Delhi -110003.
- 2) Dr Gautam Kalloo, Deputy Director General, Indian Council of Agricultural Research, Krishi Bhawan, New Delhi-110 001.

- 3) Shri Prem Narain, Joint Secretary, Department of Agriculture & Cooperation, Krishi Bhawan, New Delhi-110 001.
- 4) Shri R. K. Verma, Financial Commissioner Development and Secretary to Govt. of Punjab, Department of Agriculture, Chandigarh-160001.
- 5) Financial Commissioner and Principal Secretary to Govt. of Haryana, Department of Agriculture, Mini Secretariat, Sector 17, Chandigarh.
- 6) The Secretary, State Department of Agriculture, Govt of Rajasthan, Baba Baghwan Das Road Secretariat, Jaipur 302 005.

(Dr. R. Warriar)
Additional Director

**Government of Rajasthan
Directorate of Agriculture, Rajasthan, Jaipur.**

F24(104A) DAg/Bt. Cotton/2004-05/

1254

Dated 04-5-05

Shri L.P.Aurangabadkar

Director Research

M/S AnkurSeeds Pvt. Ltd.

27-New Cotton Market Layout,

Nagpur-440018.

Sub. : - Permission for sale of Bt. cotton –Ankur 651Bt. & Ankur 2534Bt in Rajasthan-regarding.


Ref.: - yours Area Sales Managers letter No 04/RJ/2005-06 dated 21.4.2005.

In reference to above cited subject, permission is hereby granted for sale of Bt. cotton – Ankur 651Bt. & Ankur 2534Bt in Rajasthan in reference to your letter No-Ank/RES/512/2004-05 dated 29.3.05 & your Area Sales Managers letter, as mentioned above, for acceptance of all the condition stipulated in GEAC approval letter No.12/6/2004-CS dated 25.3.05. Sale of Ankur 651Bt., & Ankur 2534Bt is permitted through the following distributors/ dealers as desired: -

S.N	Name of dealers	No. Of packets (each 450gm.)
1	M/S Hindustan Seed & Pesticides, Bhilwara	120
2	M/S Khashi Ram Ram Prasad Mundra gangapur, Bhilwara	60
3	M/S Durga Traders, Ajmer	100
4	M/S Saurabh Agency, Jodhpur.	40
5	M/S Madhusudan Agency, Kapasan, Chittorgarh.	40
6	M/S Manju seed corporation, Banswara.	40
7	M/S Naurang Beej Bhandar, Alwar.	40
8	M/S Neha Agro Sales corpn. Jaipur.	20
9	M/S Inani Agro Centre Gulabpura, Ajmer.	40
10	Total	500 pkts 2.25 qtis.

You are further directed to provide non Bt. Cotton seed of same variety along with Bt. cottonseed to the farmers as well as direction & IPM technology in Hindi inside the packet and on the packet as desired by GEAC. You should direct your dealers to give bills & information required to the farmers.

This approval is for the year 2005-06.


**Director & SS Agriculture
Rajasthan, Jaipur.**

F24(104A) DAg/Bt. Cotton/2004-05/

1254-68

Dated 04-5-05

Copy to:-

1. The Secretary Agriculture, Government of Rajasthan, Jaipur.
2. Dr. R. Warrior, Additional Director, Government of India, Ministry of Environment & Forests, CS Division, Paryavaran Bhavan, C.G.O. Complex, Lodhi Road, New Delhi-110003.
3. All Joint DAg (Extension) Sriganganagar, Jodhpur, Udaipur, Bhilwara, Bharatpur, Kota, Jaipur, Jt.D.Ag.(Q.C.), HQ Jaipur & Project Director CAD- Kota, Bikaner & Dy D.Ag. (CAD) Bikaner, for information & necessary action. Please check daily stock position of the above dealers and to see that all the terms and conditions are being followed as per earlier circular sent to you. All the field officers may be directed to see that no unauthorized Bt. Cotton seed is being sold in their area. Sampling should be done and sample be sent to CICR, Nagpur for verification of Bt. gene.

Director & SS Agriculture
Rajasthan, Jaipur.

Government of Rajasthan
Directorate of Agriculture, Rajasthan, Jaipur

F. 24(104A) DAg/Bt. Cotton/2004-05/ 1315

Dated ..05-5-05

Shri L. P. Aurangabadkar,
Director Research,
M/s Ankur Seeds Pvt. Ltd.,
27-New Cotton Market Layout,
Nagpur - 440018.

Sub. : Permission for sale of Bt. cotton - Ankur 651 Bt. & Ankur 2534 Bt in Rajasthan regarding.


Ref. : Your area sales managers letter dated 04.05.2005.

In continuation to this office letter no. F. 24(104A) DAg/Bt. Cotton/2004-05/ 1254 dated 04.05.2005 permission is hereby granted for sale of Bt. cotton - Ankur 651 Bt. & Ankur 2534 Bt in Rajasthan through the following distributors / dealers as requested :-

S. No.	Name of Dealers	No. of packets (Each 450gm)
1.	Gopal Provision Store, Hanumangarh	100
2.	Rajasthan Seeds House, Sri. Ganganagar	50
3.	Bihani Seeds, Sri Ganganagar	50
	Total No. of packets	200 (Total 90 Kg.)

You are further directed to provide non Bt. Cotton seed of same variety along with Bt. cottonseed to the farmers as well as direction & IPM technology in Hindi inside the packet and on the packet as desired by GEAC. You should direct your dealers to give bills & information required to the farmers.

This approval is for the year 2005-06.


Director & SS Agriculture
Rajasthan, Jaipur

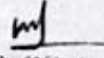
Government of Rajasthan
Directorate of Agriculture, Rajasthan, Jaipur

F. 24(104A) DAg/Bt. Cotton/2004-05/ 1315-28

Dated 05-5-05

Copy to :

1. The Secretary Agriculture, Govt. of Rajasthan, Jaipur
2. ✓ Dr. R. Warrior, Additional Director, Govt. of India, Ministry of Environment & Forests, CS Division, Paryavaran Bhawan, C.G.O. Complex, Lodi Road, Delhi - 110003.
3. All Joint DAg (Extension) Sriganganagar, Jodhpur, Udaipur, Bhilwara, Bharatpur, Kota, Jaipur, Jt. D.Ag. (Q.C.), HQ Jaipur & Project Director CAD-Kota, Bikaner & Dy. D. Ag. (CAD) Bikaner, for information & necessary action. Please check daily stock position of the above dealers and to see that all the terms and conditions are being followed as per earlier circular sent to you. All the field officers may be directed to see that no unauthorized Bt. Cotton seeds to being sold in the area. Sampling should be done and sample be sent to CICR, Nagpur for verification of Bt. gene.


Director & SS Agriculture
Rajasthan, Jaipur

150/AD/SD-2
13/11/05

Government of Rajasthan
Directorate of Agriculture, Rajasthan, Jaipur.

F24(104A) DAg/Bt.Cotton/2004-05/ 4164

Dated 02-12-05

The Joint Secretary (Seeds)
Government of India
Ministry of Agriculture.
Dept. of Ag. & Cooperation
Krishi Bhawan, New Delhi-110001.

Sub:- Information about Bt. Cotton Hybrid Seeds in Kharif-2005-regarding.

Sir,

With reference to your D.O. No.2-1/2005-SD-V dated 24th November, 2005 to the Pr. Secretary Agriculture, Govt. of Rajasthan, it is submitted that the desired information vide your department's letters dated 23.6.2005 and 5.9.2005 have already been sent to the Director(Seeds), GOI, vide this office letter No-3398 dated 17.9.2005. A copy of this letter is enclosed for your kind perusal. As far as performance of Bt. Cotton in the State during Kharif-2005 is concerned, it has not performed well in some districts due to high temperature and long dry spell. This has led to bad opening (early bursting) of balls and reduction in the yield. Bt. Cotton, being a hybrid, requires high fertility and more irrigation as compared to the varieties in the State. In some areas where frequent irrigation facility was available, Bt. Cotton has performed well. There was no CLCV reported either in Bt. or non Bt. Cotton. However, being the first season for Bt. Cotton in our State, overall performance can not be assessed due to adverse-climatic conditions.

Encl: as above

Yours faithfully



(Manoj Sharma)
Director & SS Agriculture.

12/11/05

AD (Seeds)

Gte 2-1/2005-SDV

ADG
Kana

2
14/12

Government of Rajasthan
Directorate of Agriculture, Rajasthan, Jaipur.

F24(104A) DAg/Bt.Cotton/2004-05/ 3398

Dated 12-9-05

The Director (Seeds)
Government of India
Ministry of Agriculture.
Dept. of Ag. & Cooperation
Krishi Bhawan, New Delhi-110001.

Sub:- Sale of Bt. Cotton seeds and sown area under Bt. Cotton Hybrids in Kharif-2005-garding.

Ref:- your letter No.2-8/2005/SD-V dated 5th September, 2005.

Sir,

With reference to your above-mentioned letter on the subject, company wise and variety wise sale of Bt. Cotton seeds and area covered under Bt. Cotton in Rajasthan during Kharif-2005 is given as under.

(quantity per packet-450gram of Bt. Seed)			
Name of Company(approved)	Bt.Cotton varieties	Sale of Seed(qtls)	Area Covered(acres)
Mahyco Seeds Ltd.	MRC-6301Bt. & MRC-6304Bt.	17.271(3838pkts)	3838
Rasi Seeds Ltd.	RCH-134	7.785(1730pkts)	1730
Ankur Seeds Ltd.	Ankur-651Bt. & Ankur-2534Bt.	0.6075(135pkts)	135
Total		25.6635(5703pkts)	5703

Company wise list of farmers is also enclosed for your kind information and further necessary action.

Encl- as above.

Dy. DAg(Fodder)
Rajasthan, Jaipur

F24(104A) DAg/Bt.Cotton/2004-05/ 3398-99

Date 12-9-05

Copy to the Director, Directorate of Cotton Development, GOI, Ministry of Agriculture, 14, Ramjibhai Kamani Marg, Ballard Estate, P.O.Box No-1002, Mumbai-400001 in reference to letter No-D4-1/WCSR/05/572 dated 22.7.2005.

Dy. DAg(Fodder)
Rajasthan, Jaipur