

**DEPARTMENT OF AGRICULTURE  
REPUBLIC OF INDONESIA**

**DECREE OF MINISTER OF AGRICULTURE  
NO:107/Kpts/KB.430/2/2001**

**REGARDI NG  
LIMITED RELEASE TRANSGENIC COTTON Bt DP 5690B  
AS SUPERIOR VARIETY UNDER THE NAMA OF NuCOTN 35B  
(BOLLGARD)**

**MINISTER OF AGRICULTURE,**

Considering :

- a. Transgenic plant can be very beneficial but may also have negative impact to biodiversity, environment, and human health
- b. In an endeavor to fulfill domestic cotton needs, there is a need to have superior cotton variety that is resistant toward cotton main pest
- c. South Sulawesi farmers expressed their expectation to have cotton variety that is resistant to pest for cotton planting year 2001. Based on biosafety assessment, transgenic cotton Bt DP5690B is safe for the environment and biodiversity, and based on adaptation trial in Takalar, Gowa, Bantaeng, Bulukumba, Bone, Soppeng, and Wajong regencies in the South Sulawesi Province, it was proven that transgenic cotton Bt DP 5690 B is resistant to the main pest *Helicoverpa armigera*, had high yield and good fiber quality
- d. Based on the matters mentioned above and based on the precautionary principle, it was considered important to release transgenic cotton Bt DP5690B as a superior variety on a limited basis.

Bearing in mind:

1. Law No 12 year 1992 on Plant Cultivation System (State Gazette year 1996 No 46, Addendum State Gazette No 3478)
2. Law No 23 year 1997 on Environment Management (State Gazette year 1997 No 68, Addendum State Gazette No 3699)
3. Government Regulation No 44 year 1995 on Plant Seed Production (State Gazette year 1995 No 85, Addendum State Gazette No 3616)
4. Government Regulation No 27 year 1999 on Environment Risk Assessment (State Gazette year 1999 No 59, Addendum 3838)
5. President Decree No 27 year 1971 on National Seed Agency
6. President Decree No 165 year 2000 on The status, task, function, authority, organization structure and work system of a governmental Department.
7. President Decree No 177 year 2000 on Organization Unit and Task of a governmental Department
8. President Decree No 289/M year 2001 on Development of the new cabinet for the period 1999-2004
9. Minister of Agriculture Decree No 461/Kpts/Org/-11/1971 on The Completeness of Organization Structure, Job Description, and Work System of National Seed Agency.

10. Minister of Agriculture Decree No 53/Kpts/KP.150/-5/1995 on Variety Assessment and Release Team jo Minister of Agriculture Decree No 900/Kpts/KP.150/-11/1998 on the revision of the membership of variety assessment and release team
11. Minister of Agriculture Decree No 902/Kpts/TP.240/-12/96 juncto Minister of Agriculture Decree No 737/Kpts/TP.240/1998 on 737/Kpts/TP.240/1998 on Variety Testing, Assessment and Release.
12. Minister of Agriculture Decree No 1017/Kpts/TP.120/98 on the permit to produce seed, seed import permit and seed release
13. Joint Ministers of Agriculture, Forestry and Estate Crops, Health, and Food and Horticulture, No 998/Kpts/OT.210/9/99, 790.a/Kpts-IX/1999, 1145A/MENKES/SKB/IX/1999, 015/meneg PHOR/09/1999, on Biosafety and Foodsafety of Agriculture Products Derived from Genetic Engineering Process.

#### Observing

1. Letter from the Head of Biosafety and Foodsafety Committee Agriculture Product derived from Genetic Engineering No TB.150.905.156 dated 17 May 1999 regarding the statement that transgenic cotton Bt DP90B (DP5690B) is safe to the environment and biodiversity
2. Evaluation by the Variety Assessment and Release Team of application documents of PT Monagro Kimia on the release of transgenic cotton Bt resistant to pest
3. Letter from South Sulawesi governor No 525/3675/ekon dated 19 August 2000 on the release of Bollgard seed in South Sulawesi
4. Letter form Head of Plantation Agency in South Sulawesi No 4071/TU.210/XII/2000 dated 13 December 2000 on the availability of cotton seed for planting season year 2001 in South Sulawesi
5. Minutes of meeting with B Commission Consultative People Assembly in South Sulawesi Executive 24 session III year 2000 dated 2 December 2000
6. Letter from association of Indonesian cotton farmers No 03/ASKPD/12/2000 dated 9 December 2000 on the request of Bt cotton seed (Bollgard)
7. Letter from Head of Plantation Agency of South Sulawesi No 019/TU.210/I/2001 dated 8 January 2001 on the permit for Bt cotton seed
8. Letter from South Sulawesi Governor No 970/XII year 2000 on the Monitoring Team of Bt cotton in South Sulawesi
9. .Letter from Minister of Environment/Head of Agency for Management of Environment Impact No B.1882/MENLH/09/2000 dated 29 Sept 2000 on Clarification of transgenic cotton activities

#### DECIDES

To state:

FIRST: To release on limited basis transgenic cotton Bt DP 5690B as superior variety under the name NuCOTN 35B (BOLLGARD) with certain condition.

SECOND: The release as stated in the FIRST statement is valid for 1 year since this decree is issued and to be utilized by farmers in 9 regencies, namely Takalar, Gowa,

Bantaeng, Bulukumba, Bone, Soppeng, Wajo, Jeneponto and Sinjai regencies, South Sulawesi Province

THIRD: The condition as stated in the FIRST statement includes:

- a) the release of transgenic cotton Bt DP 5690B as superior variety under the name NuCOTN 35B (BOLLGARD) will be re evaluated based on new data and information
- b) planting of transgenic cotton Bt DP 5690B as superior variety under the name NuCOTN 35B (BOLLGARD) in other areas other than those regencies stated in the SECOND statement
- c) the planting of utilization of transgenic cotton Bt DP 5690B as superior variety under the name NuCOTN 35B (BOLLGARD) must be monitored and evaluated in holistic manner by Transgenic Cotton Monitoring Team that was formed by the Governor of South Sulawesi, Variety Assessment and Release Team and Biosafety and Foodsafety Agriculture Product derived from Genetic Engineering Team
- d) Cotton seed derived from transgenic cotton and other derivatives are not to be used as food or feed
- e) If in the future there are matters that are not in line with information presented during variety release, or matters that have negative impact on biosafety, environment, and human health, the release of transgenic cotton Bt DP 5690B as superior variety under the name NuCOTN 35B (BOLLGARD) will be re evaluated.

FOURTH: Description of NuCOTN 35B (BOLLGARD) as stated in the FIRST statement is attached in this Decree

FIFTH: With the issuance of this Decree, the Minister of Agriculture Decree No 107/Kpts/KB.430/2/2001 and Minister of Agriculture Decree No 03/Kpts/KB.430/1/2002 is no longer valid

SIXTH: This Decree is valid on the date issued.

Issued in Jakarta 17 February 2001

MINISTER OF AGRICULTURE

PROF.DR.IR. BUNGARAN SARAGIH MEC

Copy of this Decree is sent to:

1. Coordinating Ministry for Economics
2. Minister of Environmnet
3. Minister of Industry and Trade
4. Minister of Internal Interior and Local Autonomy
5. Minister of Research and Technology
6. Minister of Health and Social Welfare
7. Minister of Forestry
8. Head of Indonesia Science Agency
9. Head of National Biosafety and Foodsafety Committee
10. Head of National Seed Agency

11. Head of National Quarantine Agency
12. Echelon I Dept of Agriculture
13. Provincial Governors in Indonesia
14. Head of Takalar, Gowa, Bantaeng, Bulukumba, Bone, Soppeng and Wajo regencies, South Sulawesi Province

## ATTACHMENT

### DESCRIPTION OF COTTON VARIETY NuCOTN 35B (BOLLGARD)

Origin	: Introduction from D&PL International, United States
Species	: <i>Gossypium hirsutum</i>
Plant description	: flower after 45-50 days (50% flowered), harvest after 120 days and finished after 130-150 days
Height	: 73-115 cm
Posture	: Erected
Colour of stem	: light green
Hair in stem	: medium
Hair in leaves	: light
Branch type	: compact
Leave shape	: normal (palamatous)
Petal colour	: creamy
Pollen colour	: creamy
Fruit shape	: oval
Average fruit wt (100):	410-425 g
Type of fruit	: normal
Colour delinted seed	: chocolate
Average undelinted seed wt (100):	7-9 g
Fiber content	: 40-43%
Fiber length	: 30.7-31.5 cm
Fiber strength	: 36.9-41 g/tex
Fiber elasticity	: 4.4-5.2%
Fiber smoothness	: 3.6-3.7 mic
Homogeneity	: 86.4-87.2%
Anther colour	: creamy
Productivity	: average 2.21 kg cotton seed/ha, high 3.1 kg cotton seed/ha
Résistance to <i>Helicoverpa armigera</i>	: resistant
Résistance to <i>Verticillium wilt</i>	: moderate
Résistance to <i>Fusarium wilt</i>	: highly resistant
Résistance to bacterial blight	: moderate
Résistance to <i>Sundapteryx biguttula</i>	: low
Proposed name	: NuCOTN 35B (Bollgard)
Owner	: D&PL Technology Holding Corp
Applicant	: PT Monagro Kimia
Planting area	: Takalar, Gowa, Bantaeng, Bulukumba, Bone, Soppeng, Wajo South Sulawesi