



भाकृअनुप - भारतीय चावल अनुसंधान संस्थान

राजेन्द्रनगर, हैदराबाद - ५०० ०३०. तेलंगाना राज्य

ICAR - INDIAN INSTITUTE OF RICE RESEARCH

(Formerly Directorate of Rice Research)

RAJENDRANAGAR, HYDERABAD - 500 030. TELANGANA STATE, INDIA.



Dr S.R.Voleti

Director (Acting)

DO/PD/ CA 7/RTI /2020

12th October, 2020.

Dear Rajat Arya,

Sub: "RTI-Information of characteristics of variety of rice/paddy PB-1401, highest output obtained from one acre of land and authorized person to inspect the agricultural fields" -Regarding.

With reference to RTI Request dated 11th August, 2020 on the above subject, Please find enclosed the required information.

Yours sincerely


S.R.Voleti 12/10/20

ICAR-Indian Institute of Rice Research

Rajendranagar, Hyderabad

1. What are the characteristics of variety of rice/paddy PB-1401 which are submitted by the main breeder of the variety?

A. Main characteristics of the Basmati rice variety, Pusa Basmati 6 [Also known Pusa 1401/ sometimes as Pusa Basmati 1401 based on its pedigree Pusa 1401-97-7-1-4 (IET 18005)]

S. No.	Characteristics	Description
1.	Plant height (cm.)	87.0
2.	Plant Type	Semi-dwarf
3.	No. of tillers/ plant	18
4.	No. of panicles /sq. m.	283
5.	Days to 50% flowering	119
6.	Panicle exertion	Complete
7.	Panicle type	Long panicle
8.	Awning	Short awns
9.	Apiculi colour	Straw colour
10.	1000 grain weight (g.)	22.3
11.	Kernel length (mm)	7.31
12.	Kernel breadth (mm)	1.73
13.	L/B ratio	4.21
14.	Elongation ratio	2.19
15.	Kernel appearance	Extra-long slender and translucent
16.	Hulling recovery (%)	76.6

17.	Milling recovery (%)	66.7
18.	Head rice recovery (%)	57.3
19.	Alkali value	7.0
20.	Amylose content (%)	22.3

2. What is the highest output obtained from one acre of land from the crop of rice/paddy in terms of quintals/acre in India?

A. The highest output obtained from one acre of land from crop of rice/ paddy for Pusa Basmati 6 in the AICRIP trials is from Kaul, Haryana during Kharif 2003 – 21.04 quintals/ acre.

3. Who is the authorized person to inspect the agricultural fields in Punjab?

A. The inspection of agricultural fields is done by a team of Seed Certification Officials of respective states, along with National Seed Corporation representative and a plant breeder from respective State Agricultural University (PAU in case of Punjab). In case of any clarification, this team can request the specific characters of variety from the originating institute (Indian Agricultural Research Institute for Pusa Basmati 6). And in some rare and specific case, they may also request the Plant Breeder from the originating institute from where the rice variety has been developed to join the inspection team.

4. Who is the authorized person to inspect the agricultural fields in Haryana?

A. For Haryana state, the inspection of agricultural fields is done by a team consisting of a Seed Certification Official from Haryana state, along with National Seed Corporation representative from Haryana and a plant breeder from CCSHAU, Haryana. In case of any clarification, this team can request the specific characters of variety from the originating institute (Indian Agricultural Research Institute for Pusa Basmati 6). And in some rare and specific case, they may also request the Plant Breeder from the originating institute from where the rice variety has been developed to join the inspection team.