Variety released/ developed at Agricultural Research Station, CoA, AAU, Jabugam with brief information and photographs: (02)

- **Released Banana variety: GB 1 (Anand Vaaman)**

Recommendation for farmers:

The farmers of Gujarat state are recommended to grow short stature and early maturing banana variety Gujarat Banana 1 (Anand Vaman) which gave 70.16 t/ha fruit yield, which is 93.4 *per cent* higher than check Nendran. This genotype produced 215.9 kg fruits per ha per day, which is 123.3 and 8.9 *per cent* higher than checks Nendran and Grand Naine, respectively. The proposed genotype has dwarf plant height having very short pseudostem length (1.53 m) as compared to checks Grand Naine (2.02 m) and Nendran (2.38 m). This will help to reduce the cost of propping and may withstand under high wind velocity conditions resulting less damage to the crop in this proposed genotype. The fruits matured very early about 325 days which is 55 and 50 days earlier than check variety Grand Naine and Nendran, respectively. The pseudostem length of proposed genotype is 50 cm less than Grand Naine. This genotype has conical shape compact bunch. It has green peel colour before ripening and pale-yellow peel and white pulp colour at ripening. The proposed genotype has average fruit weight 176 g, pulp weight per fruit 128 g, peel weight per fruit 48 g and pulp to peel ratio 2.68.This genotype has least sigatoka leaf spot disease intensity as compared to all the checks. In quality point of view, this genotype contains higher moisture (82.92%), total anti-oxidant activity (5.26 mg/100g) and flavanoid (9.68 mg/100g) as compared to check varieties Grand Naine and Nendran. This genotype contains higher Fe (84.80 mg/kg), Mn (16.73 mg/kg) and Cu (6.38 mg/kg) as compared to check Grand Naine.


Grnad naine
Anand Vaman


21 07 2022

- **Released Banana Variety: GB 2 (Prasadam)**

Recommendation for farmers:

The farmers of Gujarat state are recommended to grow banana variety Gujarat Banana 2 (Prasadam) which gave 50.13 t/ha fruit yield, which is 5.5, 65.8, 13.8 and 12.3 *per cent* higher than checks Peyan, Rasthali, Red banana and Ney pooven, respectively. This genotype produced 130.2 kg fruits per ha per day, which is 10.0, 74.3, 52.3 and 18.1 *per cent* higher than checks Peyan, Rasthali, Red banana and Ney pooven, respectively.The genotype has medium plant height with early maturity and conical shape loose bunch. The proposed genotype has pale green peel colour before ripening and at the time of ripening pale yellow peel and cream pulp colour. The proposed genotype has comparable average fruit weight 99.3 g and pulp weight per fruit 76.7 g as compared to checks Peyan, Rasthali and Ney pooven, while lower peel weight per fruit (22.7 g) and higher pulp to peel ratio (3.39) as compared to all check varieties. The insect-pests did not appear during evaluation period of the genotype. In quality point of view, this genotype contains higher carotenoid (3.64 mg/100gm) and reducing sugar (2.51%) as well as lower crude fiber (1.66%) as compare to check varieties Peyan, Rasthali and Red banana. This genotype contains higher Fe (32.10 mg/kg) and Zn (9.16 mg/kg) as compared to check Rasthali, Red banana and Ney pooven. On the basis of traders' opinion, proposed dessert type banana genotype JB 2 fetches about 5 times more price than cavendish Banana Grand Naine.


VBM
Feb 25, 2023, 09:48

- Developed/Contribution in releasing **13** new varieties at Agricultural Research Station, CoA, AAU, Jabugam

Developed 02 variety		
Black gram	1	Shyamal (GAU 4) YMV resistant
Mango	1	Anand Rasraj (GM 1)
Banana	1	Anand Vaaman
	2	Prasadam
Contribution in releasing 07 new varieties		
Maize	1	GAYMH 1
	2	GAYMH 3
	3	Mahasweta (GAPCH 21)
	4	Madhuram (GASCH 11)
	5	Baby Corn
	6	GAMH 5 (Panam Gold)
Groundnut	1	GG 34
Pigeon pea	1	GT 106 (Mahi)
	2	GT 109 (Sweta)