

**Variety released/ developed at Agricultural Research Station, CoA, AAU,
Jabugam with brief information and photographs: (01)**

❖ Released Mango Variety :**GM 1 (Anand Rasraj)**

Recommendation:

The farmers of Gujarat state are recommended to grow mango variety Gujarat Mango 1 (**Anand Rasraj**) which gave 57.4 kg/tree (11.49 t/ha) fruit yield (mean of 7 to 9 years old trees), which is 29.86, 44.95, 30.45, 31.35, 77.16 and 27.84 *per cent* higher than checks Langra, Dashehari, Kesar, Sonpari, Sindhu and Mallika, respectively with regular fruit bearing habit. The mature fruits have broad elliptic shape in cross section, long to medium in size and smooth surface as well as yellow skin and medium yellow pulp colour at ripening. The proposed genotype has higher average fruit weight (268.2 g), pulp weight per fruit (210 g), peel weight per fruit (28.80 g), pulp to stone ratio (7.15) and pulp to peel ratio (7.28) as compared to check variety kesar and comparable with sonpari, whereas number of fruits per plant (254) was higher than kesar and sonpari. The proposed genotype has lower fruit fly damage as compared to all the checks. This genotype contains higher non-reducing sugar (14.36%), phenol (0.29%), total anti-oxidant activity (0.123%), flavanoid (0.051%), **β-carotene (12.17 ppm)** and total carotenoids (19.03 mg/100g) as compared to check varieties kesar and sonpari. The proposed genotype contains less crude fiber (0.48 %) as compared to all the checks which is an important quality character in mango fruits.

