

Mustard / Rapeseed varieties:

1. Safal:

This is a high yielding yellow seeded mustard variety, released in 1991. Plants are strong, erect and very tall (about 180 cm), and tolerant to Alternaria disease. It takes about 90-95 days to mature. Its maximum seed and straw yield potential are about 2.2 tons (av. 1.75 t/ha) and 5.0 t/ha. respectively Farmers can obtain more biomass from cultivation of this variety, which can be used as fuel. Seed contains 43-44% oil.



2. Agrani:

This is also a high yielding yellow seeded mustard variety, released in 1991. It matures a week earlier than Safal. Pod and seed size are bigger than Safal. Like Safal, this variety is also tolerant to Alternaria disease. Aphid infestation is lower due to thick pod coat. Seed yield potential is up to 2.5 t/ha (av. 1.75 t/ha). Seed contains 44% oil.



3. Binasarisha-3:

This is an early maturing (85-90 days) high yielding rapeseed variety, released in 1997. It looks like the traditional variety, Tori-7. Plant is erect. The variety shows more tolerance to Alternaria disease. Maximum seed yield potential is 2.4 t/ha (av. 1.85 t/ha). Seed contains 44% oil with low content of erucic acid (25%).



4. Binasarisha-4:

This is an early maturing (80-85 days) high yielding rapeseed variety, released in 1997. This variety also shows more tolerance to Alternaria disease. Maximum seed yield potential is 2.5 t/ha (av. 1.9 t/ha). Seed contains 44% oil with low content of erucic acid (27%).



5. Binasarisha-5:

This is a salt tolerant variety (tolerance level up to 13 dS/m), released in 2002. Maturity period ranges between 85-90 days. This variety also shows more tolerance to Alternaria disease. Maximum seed yield potential is 2.1 t/ha (av. 1.4 t/ha). Seed coat colour is reddish brown. Seed contains 43% oil.



6. Binasarisha-6:

This is a salt tolerant variety (tolerance level up to 13 dS/m), released in 2002. Maturity period ranges between 90-95 days. This variety also shows more tolerance to Alternaria disease. Maximum seed yield potential is 2.2 t/ha (av. 1.3 t/ha). Seed coat colour is light yellow. Seed contains 44% oil.



7. Binasarisha-7:

Binasarisha-7 has been developed through irradiating the seeds of Jata with 700 Gy dose of gamma-rays and released in 2011. The plants are taller in height, higher number of siliqua, bold seed and black seed coat color. The optimum time of sowing ranges from October 25-November 10. This variety matures within 100 days. It can be grown in high land with sandy to loamy type soils. It can produce maximum seed yield of 2.8 t/ha. The seed contains 44.0% oil with vitamins A & E with different essential fatty acids. It is resistant to Alternaria blight disease. This variety can be cultivated all over the country.



Fig. 7. Field view of Binasarisha-7

8. Binasarisha-8:

Binasarisha-8 has been developed through irradiating the seeds of Jata with 700 Gy dose of gamma-rays and released in 2011. The plants are shorter in height, appressed type of siliqua and black seed coat color. The optimum time of sowing ranges from October 25-November 10. This variety matured within 96 days. It can be grown in high land with sandy to loamy type soils. It can produce maximum seed yield of 2.4 t/ha. This variety is resistant to Alternaria blight disease. The seed contains 43.0% oil and vitamins A & E with different essential fatty acids. This variety can be cultivated all over the country.



Fig. 8. Field view of Binasarisha-8