

Lentil Varieties:

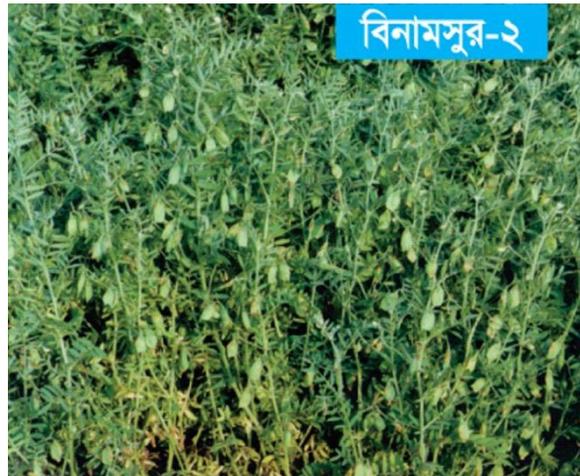
1. Binamasur-1:

This is a high yielding variety, released in 2001. It has resistance to rust disease. Maturity period ranges between 125-130 days. Plant height varies from 35-40 cm. Maximum seed yield potential is 2.0 t/ha (av. 1.8 t/ha). Seed coat colour is black, which is the characteristic feature of this variety. However, its grain colour is normal, i.e., reddish yellow.



2. Binamasur-2:

Binamasur-2 is a high yielding and early maturing lentil variety released in 2005. It has been obtained from irradiating the seeds of local cultivar Utfala with 200 Gy dose of gamma rays. Its maturity period ranges from 95-100 days. Maximum grain yield is about 1.9 t/ha (av. 1.8 t/ha). Seed size is microsperma type of lentil. The optimum time of sowing ranges from October 25 - November 10. Seed contains higher protein (24-25%). Dal is red color with good cooking quality. The variety is tolerant to blight and rust diseases. This variety is suitable for cultivation in pulse growing areas of Bangladesh.



3. Binamasur-3:

Binamasur-3 is a high yielding, determinate type lentil variety released in 2005. Plant is short (34-38 cm), erect with medium number (5-7) of branches. Stem is pink, leaf is light green with waxy coating and leaf tip is tendriller. It produces white synchronous flowers and matures early ((95-100 days). It has late sowing potential (up to 25 November). Its yield potential is 2.4 t/ha, average yield 1.8 t/ha, 100-seed weight 2.11 g and protein content 25%. It has a good cooking quality. It is moderately resistant to rust, foot and root rot/wilt diseases, pod borer and tolerant to mild water stress.



4. Binamasur-4:

Binamasur-4 is a high yielding, determinate type lentil variety released in 2009. Plant is determinate, short (35-40 cm), erect with medium number (5-7) of branches. Stem is white and leaf is light green with waxy coating. It produces white synchronous flowers and matures early (96-102 days). Optimum sowing time for Binamasr-4 is the last week of October to 2nd week of November. Its yield potential is 2.5 t/ha, average yield 1.8 t/ha, 100-seed weight 2.11 g and protein content 25%. It has a good cooking quality. It is moderately resistant to rust, foot and root rot/wilt diseases, pod borer and suitable for growing in the Barind areas for its drought tolerance.



5. Binamasur-5:

Binamasur-5 is a high yielding and early maturing lentil variety released in 2011. It has been obtained from irradiating the seeds of BARImasur-4 with 200 Gy dose of gamma rays. Maturity period ranges from 99-104 days. Maximum grain yield is about 2.2 t/ha (av. 2.15 t/ha). Seed size is larger than microsperma type of lentil. The optimum time of sowing ranges from October 25- November 10. Seed contains higher crude protein (29-30%). Dal is red color with good cooking quality. The variety is tolerant to blight and rust diseases. This variety is suitable for cultivation in pulse growing areas of Bangladesh.



05. Field view of Binamasur-5 with seed and dal

6. Binamasur-6:

Binamasur-6 is a high yielding lentil variety released in 2011. It has been obtained from irradiating the seeds of BARImasur-4 with 250 Gy dose of gamma rays. Maturity period ranges from 105-110 days. Maximum grain yield is about 2.0 t/ha (av. 1.95 t/ha). Seed size is larger than microsperma type of lentil. The optimum time of sowing ranges from October 25-November 10. Seed contains higher crude protein (30-31%). Dal is light red color with good cooking quality. The variety is tolerant to blight and rust diseases. This variety is suitable for cultivation in pulse growing areas of Bangladesh.



06. Field view of Binamasur-6

7. Binamasur-7:

Binamasur-7 is a high yielding lentil variety released in 2013. Maturity period ranges from 110-112 days. Average grain yield is about 2.2 to 2.4 t/ha . This variety is suitable for cultivation in pulse growing areas of Bangladesh.