February 4, 1999

To: Department Heads North Central Region

From: Burle Gengenbach, Interim Head

Subject: Release of Two Soybean Varieties

The Minnesota Agricultural Experiment Station is releasing two new soybean varieties on February 15, 1999. The two varieties are described below.

'MN 0901' (M91-821) is a late maturity group 0 line. It was developed in Minnesota and tested extensively in Minnesota as well as regionally. The pedigree of MN 0901 is M83-776 x Leslie. The line M83-776 has the pedigree Evans x M74-394. M74-394 is a selection from the cross Hodgson x Wells. MN 0901 is about 1 day later in maturity than Lambert (relative maturity 0.9). Plant height is similar to Lambert. MN 0901 carries the Rps1 gene for resistance to phytophthora root rot. Protein of MN 0901 is slightly lower and oil slightly higher than Lambert. The yield of MN 0901 is about 2 to 3% higher than Lambert. MN 0901 is being released because of its excellent yield. The South Dakota Agricultural Experiment Station will be participating in the release of MN 0901.

MN 1801 (M91-1137) is a mid to late maturity group I line. MN 1801 has the pedigree Kasota x Kenwood. MN 1801 is about 2-3 days later than Parker. MN 1801 is slightly taller than Parker and lodges significantly less. MN 1801 yields about 5-6% more than Parker. MN 1801 contains the Rps1c gene for resistance to phytophthora root rot providing resistance to additional races of phytophthora that have become important in the upper Midwest. MN 1801 has slightly higher protein content than Parker and similar oil content. MN 1801 is being released because of its high yield and additional phytophthora resistance.

Please share this information with the appropriate faculty and staff.