Lines supported by the Prairie Recommending Committee for Pulse & Special Crops  (PRCPSC) February 25, 2009

**Dry Beans**

**BK05-009** is a high yielding black bean line with upright indeterminate growth habit (Type 2), and early maturity. Seeds of BK05-009 are black with an intermediate (matteshiny) seed luster or glossiness. BK05-009 is well adapted to the Red River Valley of Manitoba, with maturity earlier than the check cultivars AC Harblack and CDC Jet. BK05-009 has a lower incidence to white mould than AC Harblack but is similar to CDC Jet. Developed by Agriculture and Agri-Food Canada.

**Eclipse** is a high yielding black bean variety with a Type 2a indeterminate, upright growth habit and matte black seed. It also has good pod height which is ideal for direct harvest. It has excellent lodging resistance and exhibits both plant and pod maturity concurrently. Developed by the North Dakota State University.

**170A-96048** is a high yielding navy bean line with upright indeterminate growth (2a), good seed quality, and late-maturity. 170A-96048 is adapted to the Red River Valley of Manitoba, with maturity of 7-days later than the check cultivar Envoy but similar to AC Cruiser. 170A-96048 has moderate resistance to common bacterial blight. Developed by Agriculture and Agri-Food Canada.

**056C-96204** is a high yielding navy bean line with upright indeterminate growth (2a), good seed quality, and early-maturity. 056C-96204 is adapted to the Red River Valley of Manitoba. 056C-96204 has moderate resistance to common bacterial blight. Developed by Agriculture and Agri-Food Canada.

**OAC 05-1** is a navy line which has excellent yield potential, improved pod clearance and a maturity similar to Envoy. This line also has resistance to both races of anthracnose tested, race 73 and race 105. The target production area for OAC 05-1 is the Manitoba escarpment area and into south-eastern Saskatchewan. Developed by the University of Guelph.

**T65081** is a high yielding navy bean line with a Type 2a indeterminate, upright bush growth habit. In trials, it has shown a lower Common Bacterial Blight incidence compared to Envoy. T65081 is adapted to the Red River Valley of Manitoba. Developed by Hyland Seeds, a Division of Thompsons Limited.

**2005s-1** is an indeterminate (Type 2a) pinto bean line with excellent seed coat colour and early maturity. Although the yield potential is below that of CDC Pintium, it is more than offset by the premium being offered to producers for the better seed colour. Developed by the Crop Development Centre, University of Saskatchewan.
2793CBB is an indeterminate (Type 2a) pinto bean line with excellent seed coat colour, early maturity and yields similar to CDC Pintium. It has tolerance to anthracnose races 73 and 105 with white mold scores better than CDC Pintium. Developed by the Crop Development Centre, University of Saskatchewan.

Mariah (B0800) is an indeterminate (Type 2b) pinto bean line with earlier maturity than Maverick in Manitoba trials. Mariah has a more erect growth habit with improved lodging resistance over Maverick. It is resistant to BCMV (I allele) and to rust race 53. Mariah is a adapted to the Red River Valley of Manitoba. Developed by Seminis Vegetable Seeds.

Medicine Hat (B0813) is an indeterminate (Type 2b) pinto bean line with earlier maturity than Maverick in Manitoba trials. Medicine Hat has a more erect growth habit with improved lodging resistance over Maverick. It is resistant to the NY15 race of BCMV and to rust race 53. Medicine Hat is adapted to the Red River Valley of Manitoba and the pinto bean growing areas of Alberta. Developed by Seminis Vegetable Seeds.

SR05-008 is a high yielding small red bean with good seed quality, partially upright indeterminate growth (2a), and early-maturity. SR05-008 is well adapted to the Red River Valley of Manitoba, with a maturity 6 days earlier than the check cultivar AC Scarlet. The average yield of SR05-008 is 4.4% higher than AC Scarlet. SR05-008 is susceptible to white mould, anthracnose races 73 and 105, and common bacterial blight, which is similar to AC Scarlet. Developed by Agriculture and Agri-Food Canada.

GS 780 is an upright, indeterminate (2a) small red bean with high yield potential and small seed size. It is resistant to races 73 and 105 of anthracnose and adapted to the Red River Valley of Manitoba. Developed by Gowan Seeds.

Myasi is a high yielding yellow bean genotype with a determinate (Type 1), upright growth habit and yellow bean seed. It is adapted to the dry bean growing areas of Alberta. Developed by ADM of the USA.

**Faba Beans**

NPZ 4-7520 is a high yielding zero-tannin faba bean which has exceptional lodging resistance, average maturity and medium-large seed size. Developed by Norddeutsche Pflanzenzucht Hans-Georg Lembke KG (NPZ) of Germnay.

NPZ 5-7680 is a high yielding tannin faba bean which has very good lodging resistance, slightly later maturity and medium-large seed size. Developed by Norddeutsche Pflanzenzucht Hans-Georg Lembke KG (NPZ) of Germnay.
Lentils

1897T-30a is an extra small red lentil with improved yield potential over CDC Robin. The seed type is suitable for markets in South Asia and the Middle East. Developed by the Crop Development Centre, University of Saskatchewan.

2271-5 is a small red lentil with improved yield potential over CDC Redberry and exhibits some tolerance to stemphylium blight. The seed type should be well suited to the lentil milling markets around the world. Developed by the Crop Development Centre, University of Saskatchewan.

2275-15 is a large red lentil with improved yield potential over CDC Redberry. The seed type is large, suitable for new markets in the Middle East and South Asia. Developed by the Crop Development Centre, University of Saskatchewan.

2321-6 is a small red lentil with improved yield potential over CDC Redberry and increased plant height. The seed type should be well suited to the lentil milling markets around the world. Developed by the Crop Development Centre, University of Saskatchewan.

3056-12 is a medium green lentil with both a green seed coat and green cotyledons. Lodging tolerance is an improvement over the checks. The seed type should be suitable for new premium specialty markets. Developed by the Crop Development Centre, University of Saskatchewan.

IBC-187 is a medium red lentil with Clearfield resistance – the first lentil in this class tolerant to imidazolinone herbicides. The yield potential is improved over small red CDC Impact. Plant height is increased over the checks. The seed type is suitable for markets in some Middle Eastern, and some South Asian markets. Developed by the Crop Development Centre, University of Saskatchewan.

IBC-194 is a large green lentil with Clearfield resistance and improved seed coat colour over CDC Improve. Plant height is also increased over other Clearfield checks. The seed type is suitable for large green lentil markets in Europe, Middle East and South America. Developed by the Crop Development Centre, University of Saskatchewan.
**Peas**

**CDC 1897-3** is a semi-leafless yellow cotyledon pea with an improved yield potential over the checks Cutlass and Eclipse. It is resistant to powdery mildew and has good lodging resistance, similar to the checks. Developed by the Crop Development Centre, University of Saskatchewan.

**CDC 1897-14** is a semi-leafless yellow cotyledon pea with an improved yield potential over the checks Cutlass and Eclipse. It is resistant to powdery mildew and has good lodging resistance, similar to the checks. Developed by the Crop Development Centre, University of Saskatchewan.

**LAN 4188** is a semi-leafless yellow cotyledon pea with a similar yield potential to the checks Cutlass and Eclipse. It is resistant to powdery mildew with a similar lodging resistance to Eclipse which is a slight improvement over Cutlass. Vine length is longer than the checks. Developed by Lima Grain Nederland.

**CDC 1932-201** is a semi-leafless green cotyledon pea with an improved yield potential over the checks CDC Striker and Cooper. It is resistant to powdery mildew which is an improvement over the green check CDC Striker. It has a smaller seed size than the checks with good bleaching tolerance similar to CDC Striker which is better than Cooper. Developed by the Crop Development Centre, University of Saskatchewan.