

**NAMING AND RELEASE OF “JUDÍA PEREGRINA”, “ALUBIA DE ENFESTA”,
“GARBANZO GRANDE DE TUY”, “GARBANZO CAPELÁN” AND “MOURISCA”,
FIVE NEW BREEDING PURE LINES FROM SPAIN**

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The Legumes Breeding Group at the Misión Biológica de Galicia, Higher Council for Scientific Research (MBG-CSIC, Pontevedra, Spain) announces the release of five new pure lines called “Garbanzo Capelán” (PMB-0021), “Mourisca” (PMB-0114), “Garbanzo Grande de Tuy” (PMB-0118), “Judía Peregrina” (PMB-0121) and “Alubia de Enfesta” (PMB-0127).

The selection process used to obtain these lines was a single plant selection from traditional landraces of the germplasm collection at MBG-CSIC (Ron et al., 1997). These new breeding lines were multiplied and evaluated in several environments in the Northwest of Spain.

The description of these five new breeding lines is as follows:

- “Garbanzo Capelán” (PMB-0021) was obtained from PHA-0159 landrace which is included in the “Garbancillo” market class and race Mesoamerica. It is an early flowering line with 40 days to flowering and 84 days to first dry pod. The growth habit is type II, indeterminate upright bush and it presents small pods (21 g per five pods). Regarding to seed traits it has small white seeds (22 g per 100 seeds) and it presents good sensorial and nutritive characteristics such as water absorption (88%) and protein content (25%).

- “Mourisca” (PMB-0114) was developed from PHA-0455 landrace which is included in the “Canela” market class and race Nueva Granada. It presents 50 days to flowering and 88 days to first dry pod and it has a growth habit type IV, indeterminate climbing. Regarding to pod traits it presents large pods (173 mm length pod and 54 g per five pod) and its pod yield is 104 g per plant. This line presents light brown extralarge seeds (17 mm length and 65 g per 100 seeds). The water absorption is 96% and the protein content 27%.

- “Garbanzo grande de Tuy” (PMB-0118) was obtained from PHA-0028 of “Gallega de Carballo” market class and race Jalisco. It also presents early flowering (42 days to flowering) and growth habit type IV, indeterminate climbing and it has large pods (109 mm length and weight of five pods of 29 g). The seeds are white and large (13 mm length and a weight of 48 g per 100 seeds). According to seed quality this line presents 92% of water absorption and 26% of protein content.

- "Judía Peregrina" (PMB-0121) was developed from the landrace PHA-0171, "Plancheta" market class and race Jalisco. It presents 55 days to flowering, so it is the most late line. The growth habit type is IV, indeterminate climbing and the pods are large (188 mm of length) with 28 g per five pod and a pod yield of 77 g per plant. It has also large white seeds, 13 mm length and 48 g per 100 seeds.

- "Alubia de Enfesta" (PMB-0127) was obtained from the landrace PHA-0253 which is included in the "Alubia" market class and race Nueva Granada. It also presents late flowering (50 days to flowering and 99 days to first dry pod). It presents dwarf growth habit, type I and its pod is 112 mm length and 26 g per five pods. It has white extra large seeds (15 mm length and 57 g per 100 seeds) with good sensorial and nutritive characteristics for human consumption with 96% of water absorption and 25% of protein content.

Breeding lines are maintained by the Legume Breeding Group at the MBG-CSIC. These five new lines are being released as a public nonexclusive variety. Small amounts of seeds are available from A. M. De Ron, Legume Breeding Group, Plant Breeding Department at MBG-CSIC, P. O. Box 28, 36080, Pontevedra, Spain.

References:

- Ron, A. M. De, M. Santalla, N. Barcala, A. P. Rodiño, P. A. Casquero, M. C. Menéndez. 1997. *Phaseolus* spp. at the Misión Biológica de Galicia, Spain. Plant Genetic Resources Newsletter 112: 100.