# **Relationships Among Milk Line Development and Corn Seed Quality. (C04-vonpinho064011-Poster)**

#### Authors:

- R.G.Von Pinho\* UFLA, Lavras, MG, Brazil
- M.A.V.Faria UFLA, Lavras, MG, Brazil
- E.V.R.Von Pinho UFLA, Lavras, MG, Brazil
- F.E.O.Freitas UFLA, Lavras, MG, Brazil

## **Abstract:**

This work was performed in brazil, aiming at evaluating the physiological quality of hybrid seeds of corn harvested at different milk line stages after drying and storage. Seeds of the hybrids ag9090, ag9010, dkb350 and dkb747 coming monsanto company and produced in the winter of 2000 in four locations of brazilian central area were utilized. In each field were drawn four rows, where 100 ears were harvested per milk line stage, which are ml2, ml3, ml4 and ml5, displaying, respectively, 25%, 50%, 75% and 100% of hardened endosperm were harvested. Tests of germination, electric conductivity, cold test without soil and accelerated aging after drying and after 8 months storage were accomplished. After drying, values above 95% in the germination tests and above 85% in the vigor tests were found. After 8 months storage lower values of germination and vigor for the seeds harvested at ml2 for all the hybrids evaluated were observed. The results enabled to conclude that it is safe to harvest corn seeds from the ml3 when they have 50% of their endosperm solid and a high physiological quality.

**Corresponding Author Information:** 

Renzo Von Pinho Federal University of Lavras Av. Aldeia Formosa 87, Cond. Aldeia De Sagres phone: 553528223699 fax: 553538291301 e-mail: renzo@ufla.br

Lavras, MG 37200-000 BRAZIL

## **Presentation Information:**

Presentation Date: Tuesday, November 12, 2002 Presentation Time: 4:00-6:00 pm Poster Board Number: 1124

Keywords: Corn seed production, Milk line, Zea mays, Physiological maturity