

大豆内部机械损伤对发芽的影响 Inner Mechanical Damage Impact to Germination of Soybean Kernels

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摘要: 以辽宁省3个主栽大豆品种为对象,研究了内部损伤特征对大豆发芽率的影响。结果表明,机械脱粒引起的大豆各种内部损伤,如子叶断裂、子叶破裂、胚根断裂和胚轴损伤等多种形式同时存在,内部机械损伤不易发现并影响发芽,具有严重的潜在危害性。 In order to analysis inner mechanical damage mechanism of soybean seed and the impact to its germination, three mechanical threshed soybean varieties mainly cultivated in Liaoning Province were selected. By means of stereomicroscope system and germination test, the inner mechanical damage impact to germination were tested, and the results showed that soybean seed germination ratio with inner mechanical damage was lower than 10%, main inner damage forms were devided into cotyledon break, cotyledon crack, radicle crack and hypocotyl break, which has remarkable latent harmfulness to soybean production.

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