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(54) Title: RESISTANCE TO PHYSIOLOGICAL DISORDERS IN LETTUCE

(57) Abstract: The invention relates to a method for screening a population of plants for the presence therein of individuals that show a reduced susceptibility to ethylene and physiological disorders, in particular Russet Spotting and Yellowing, as compared to a control plant, wherein a population of seeds is germinated in darkness and in the presence of ethylene to obtain seedlings that, when having a longer hypocotyl as compared to the original ethylene-sensitive control under ethylene are selected as plants showing a reduced susceptibility to ethylene and physiological disorders, in particular Russet Spotting or Yellowing. The invention also relates to the plants thus selected.

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