

Asparagus Stand Survival, May, 2002
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Introduction and Objective

An asparagus variety trial was established in June of 1990 at the Bixby Vegetable Station to determine the suitability of 21 different cultivars for use in commercial asparagus production in Oklahoma. Prior to terminating the study in 2002, plant loss counts were recorded and a percentage of the remaining stand was calculated. The objective of this work was to provide producers with information on stand survival to enable them to make better cultivar selections for long term plantings.

Methods and Materials

Plant loss counts were made on 5/31/02 in the four replications of the asparagus variety trial. Data collected included the number of missing plants per replication. All data were analyzed utilizing Duncan's multiple range test with P = 0.05.

Results and Conclusions

Jersey Jewel and G27X22-34 recorded the highest percent stand survival; both had 93 percent survival (Table 1). Purple Passion had the lowest survival, with 65 percent stand survival.

Table 1. Asparagus stand survival, 5/31/02. Stand survival ^z.

Variety	Stand survival
Jersey Jewel	93 a ^y
G27x22-34	93 a
Jersey Giant	90 ab
Jersey Gem	87 abc
Jersey Prince	87 abc
56x22-34	85 abc
61x22-8	83 abc
D2x22-8	83 abc
D2x22-34	83 abc
Greenwich	82 abc
Jersey General	82 abc
Jersey King	82 abc
382Bx22-8	82 abc
55x22-8	82 abc
277Cx22-34	82 abc
Jersey Knight	80 abc
362Mx22-34	77 bcd
U.C. 157 F ₁	73 cd
Apollo	73 cd
Jersey Titan	72 cd
Purple Passion	65 d

^z Stand survival = percentage of original 15 plants surviving. Asparagus trial planted 18 June 1990; Plot size: 1.5m x 6.0m (15 transplants/plot): 4 plots/variety.

^y Numbers in a column followed by the same letter exhibited no significant differences based on Duncan's Multiple Range Test where P=0.05.