

# Species Interactions With Quackgrass and Their Effect on Forage Production. (C06-bultemeier114219-Oral)

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## Abstract:

Quackgrass (*Agropyron repens*) is a troublesome weed in row crop production but has ideal forage characteristics for hay producers and animal grazers. One aspect of uncertainty in the literature is the competitive aspect of quackgrass under various defoliation heights. A replacement series experiment was conducted in the greenhouse using quackgrass:orchardgrass (*Dactylis glomerata*) and quackgrass:white clover (*Trifolium repens*) ratios of 1:0, 1:2, 2:1 and 0:1. Each proportional mixture was then subjected to either a two or six-week cutting frequency. Mixtures of quackgrass and white clover yielded higher than the monocultures of the same specie. The six-week cutting overall, had a positive response and the two-week cutting showed no response. Quackgrass is a productive forage specie that yields best when grown with a complimentary specie (i.e white clover) rather than with a competitive specie (i.e. orchardgrass).

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