

## Replacing Thin Alfalfa

Are you thinking of trying to squeeze another year out of your alfalfa stand? Planting new fields of alfalfa is expensive. So many of us put off tearing up old fields and planting new ones. But is this smart?

Alfalfa stands usually reach peak production by year two or three. Thereafter, yields tend to decline each year. By year four or five, yields of many dryland fields are much lower than their peak years because subsurface moisture that plants were using during the early years is all gone. This is most noticeable during drought years when regrowth is almost zero after the first or second cut. Yield decline in irrigated fields is slower but usually is a ton or more lower by year five or six.

When you try to squeeze another year out of your alfalfa stand, you can lose two ways. First, and most obvious, is the lower yield of your old field compared to yields from a younger field. A second loss, though, is the lost rotation benefit received by crops like corn that follow alfalfa in the rotation. Not only will alfalfa reduce your nitrogen fertilizer needs by one hundred to one hundred fifty pounds over the next couple years, much research has shown that corn after alfalfa often yields ten to twenty bushels more per acre than it will even with extra fertilizer.

This rotation benefit could be especially valuable this year if corn prices stay high. So if you have alfalfa fields that are past their prime, or maybe show winter damage this spring, this might be an excellent time to rotate those fields to a different crop and plant some new, higher yielding acres to alfalfa.

Both your alfalfa crop and the rotated crop could benefit.

Dr. Bruce Anderson, Extension Forage Specialist  
University of Nebraska-Lincoln  
314 Keim Hall—East Campus  
Lincoln NE 68583-0915  
402-4742-2577  
[banderson1@unl.edu](mailto:banderson1@unl.edu)



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