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## Cover Story

Field experiments in all parts of North Dakota generally have shown profitable increases by using fertilizer on farm crops. Small grains have responded to phosphate used on fallow in 80 percent of these trials. Phosphate has given an average per acre yield increase of 4.8 bushels of wheat and 8 bushels of barley when used for these crops on summer-fallow.

There is some evidence available that shows nitrogen fertilizer and modern weed control methods may, in some cases, eliminate summerfallow. You can draw your own conclusions from the story on page 3.