

NM-1601-A—(REVISED 2016)

U of M Supplemental Nitrogen Worksheet for Corn

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This simple worksheet was developed in 1992 and has been modified and tested as a means of helping people decide if supplemental, or extra, N is needed. This decision aid is for situations when all N was applied pre-plant, either in the fall or spring. This worksheet should not be used for determining N rates in a split N program. Keep in mind that good judgment is still important when using this decision aid. Add up the points for each section for your overall score.

The worksheet should be used in June.

Question 1. When was the N applied?

- | | |
|---|---|
| a) In fall, soil temp >50°F, 4" deep | 5 |
| b) In fall, soil temp <50°F, 4" deep | 4 |
| c) In fall, soil temp >50°F, 4" deep+N-Serve | 4 |
| d) In fall, soil temp <50°F, 4" deep+N-Serve | 3 |
| e) In early spring (end of March or in April) | 3 |
| f) In May | 2 |

TOTAL POINTS FOR THE FIELD

Question 2. What was the predominant spring (May) soil condition?

- | | |
|--|---|
| a) Normal or dryer than normal | 1 |
| b) Wetter than normal | 3 |
| c) There was/is standing water in the fields | 4 |



Question 3. How does the crop look?

- | | |
|---|---|
| a) Taller than 12-16" and chlorotic | 5 |
| b) Shorter than 12-16" and chlorotic | 3 |
| c) Shorter than 12-16" and normal green color | 2 |
| d) Taller than 12-16" and normal green color | 1 |

Score	Evaluation
0-7	Your current nitrogen program is doing fine. No supplemental N is suggested.
8-9	Re-evaluate in 1 week. The corn height/color will most likely change. The "re-evaluate" option is only viable as long as side-dress is still an option
10+	Supplemental N is suggested at a rate of 40 to 70 lbs of N per acre depending on the situation