Example 1, Nutrient Table

Jim tells you he had one application of 45-35-20 fertilizer. How should you record this in the nutrient table?

**Answer:** Jim is most likely reporting pounds of actual nutrients, rather than percent analysis since the three numbers (45-35-20) add up to 100, which is over the rule-of-thumb of 85%. You should follow up with Jim to make sure he is reporting in pounds of actual nutrients. If so, then enter 45, 35, 20, and 0 into Column 2 of the table and select unit code = 19 (pounds of actual nutrients) for Column 4. Leave Column 3 blank. Follow up with Jim to record entries for Columns 5, 6, and 7.
Example 2, Nutrient Table

Sue tells you she had one application of 20-25-20-20 fertilizer. How should you record this in the nutrient table?

**Answer:** Notice that 20+25+20+20 = 85. The 85% rule-of-thumb doesn’t hold true when sulfur is combined. Sue may actually be giving you percentages rather than pounds of actual nutrients. You must follow up with Sue to determine how to code this.
Example 3, Nutrient Table

Joe tells you that he applied 200 “units” of anhydrous ammonia. How do you code this in the nutrient table?

**Answer:** Follow up with Joe by asking if the material he applied weighed more than 200 pounds per acre. If so, then he most likely applied \((200/0.82)\) 244 pounds of 82% nitrogen. For percent analysis, code this as 82 in Column 2, 244 in Column 3, and 1 in Column 4. If Joe meant “pounds” when he said “units,” then write 200 in Column 2 and use code 19 in Column 4 (pounds of actual nutrients). Column 3 is left blank since, in this case, actual nutrients are reported.
Example 4, Inclusion/Exclusion

Emma says she “over-applied” an inhibited fertilizer near the end of last season so that the carryover would provide an early-season boost to this year’s wheat crop. Should you include this in the nutrient table?

Answer: No. Do not include nutrients or fertilizers applied to previous crops planted in the field, even if the carryover was beneficial to the current crop in the field.
Example 5, Partial Field Treatment

Todd applies 350 pounds of MAP (11-52-0) to some acreage on the lower half of his 50 acre field. Specifically, he applies the 350 pounds to only the bottom 25 acres. How is this coded in the nutrient table?

Answer: Enter 11, 52, 0, and 0 in Column 2. Since 350 pounds are applied to 25 acres, the quantity applied per acre is 350/25 = 14 pounds per acre. Use unit code = 1 for Column 4 (pounds). Pay attention to Column 7, “How many acres were treated in this application?” You will enter 25.0 here. Note that the entry in Column 7 can never exceed total field size. Acres in Column 7 must be reported to the first decimal place (tenths of acres).
Example 6, Nutrient Table Refusal and Question 13

Question 13 (and enumerator action): Bob refused to give any information about his fertilizer applications for the fertilizer table. But he may have applied nitrogen fertilizers, nonetheless. How should you approach Question 13?

Answer: Ask the respondent if any nitrogen was applied to the 2017 wheat crop in the selected field. If so, complete question 13. If not, go to question 14.
Example 7, Field Office Manure Estimation

**Question 15b**: Tony doesn’t know how much non-commercial manure he applied to the field, and he cannot estimate it. What should you do?

**Answer**: Take notes about: (1). Type and number of animals that produced the manure, (2). For what time period (part of the year or the total year), and (3). How many other acres besides the selected field acreage received non-commercial fertilizer applications. The Field Office will need all of this information to estimate manure applications.
Example 8, Equivalent Amounts of Multiple Manure Sources

Question 15f: Alicia applied 0.1 tons of hog manure and 0.1 tons of sheep manure to the selected field. How do you code this?

Answer: If the same amount of two types of non-commercial manure has been applied, use the code with the higher nitrogen value. The highest nitrogen value is for poultry, followed by hogs, dairy, sheep, and beef. In this case, you would use code = 3 (hogs).