**The Iowa Nitrogen Initiative: A Publicprivate Partnership for Productivity, Profitability and Environmental Performance**

1. According to nitrogen rate trials in Iowa over the past twenty years, optimum nitrogen rates for corn following corn and corn following soybeans are:

a. trending downward overall

b. trending upward overall

c. staying constant

d. it is too difficult to tell a relationship over time

2. How many on-farm trials did the Iowa Nitrogen Initiative conduct in 2024?

a. 148

b. 72

c. 490

d. 270

3. The majority of 2023 Iowa Nitrogen Initiative trials yielded:

a. above 200 bu/ac

b. right at 200 bu/ac

c. just below 200 bu/ac

d. far below 200 bu/ac

4. In the subset of 2023 trials presented, nitrogen use efficiency (defined here as the pounds of nitrogen needed to grow a bushel of corn) ranged from approximately:

a. 0.4 to 1.45

b. 0.6 to 1.2

c. 0.5 to 1.2

d. 0.0 to 1.0

5. Which of the following is not a research focus area for 2024 Iowa Nitrogen Initiative trials?

a. Residue removal

b. Extended rotations

c. Planting date comparisons

d. Autonomous N application