**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