APPENDIX D

WHEAT GRAIN YIELD REGRESSION OF GS 25 OR DECEMBER N TREATMENTS AGAINST EACH PRE-PLANT N TREATMENT

Pre-plant and GS 25 or December N Rate Experiments for the
1998-99 and 1999-00 Growing Seasons
Site I

N at Pre-plant (kg ha\(^{-1}\))

- • 0
- ○ 22, \(r^2 = 0.80\)
- ▼ 45, \(r^2 = 0.58\)
- ▼ 67

Grain yield (Mg ha\(^{-1}\)) vs. N applied at GS 25 (kg ha\(^{-1}\))

127
Site II

N at Pre-plant (kg ha⁻¹)
- 0, \( r^2 = 0.73 \)
- 22, \( r^2 = 0.50 \)
- 45
- 67

Grain yield (Mg ha⁻¹)

N applied at GS 25 (kg ha⁻¹)
Site V

Grain yield (Mg ha\(^{-1}\))

- $N$ at Pre-plant (kg ha\(^{-1}\))
  - $0$, $r^2 = 0.61$
  - 34
  - 67

$N$ applied in December (kg ha\(^{-1}\))
Site VI

Grain yield (Mg ha⁻¹)

N at Pre-plant (kg ha⁻¹)
- 0, \( r^2 = 0.78 \)
- 34, \( r^2 = 0.85 \)
- 67

N applied in December (kg ha⁻¹)