In the article “Optimizing Soil and Fertilizer Nitrogen Use by Intensively Managed Winter Wheat. II. Critical Levels and Optimum Rates of Nitrogen Fertilizer” by W.E. Baethgen and M.M. Alley, Agron. J. 81:120-125, there is an error in the equation and accompanying discussion presented on p. 124. The $I_3$ in the equation and in the following text should be $\beta_2$ and represents the quadratic coefficient (not the linear coefficient) of the grain yield response function to fertilizer.

Also, immediately before the last paragraph of the Results and Discussion section, a paragraph was omitted. The paragraph reads as follows:

Finally, it can also be shown that the change in NOPT30 values for two price ratios can be calculated as follows:

$$\text{NOPT30}_1/\text{NOPT30}_2 = (\beta_1 - PR_1) / (\beta_1 - PR_2)$$

where $\beta_1$ is the linear regression coefficient of the grain yield response function to fertilizer and NOPT30$_1$, NOPT30$_2$, PR$_1$, and PR$_2$ are defined as above.

Finally, the $I_3$ in the fifth line of the last paragraph of the Results and Discussion section should be $\beta_1$. 

Published January, 1989