Calculations for adjusting yield in strip plots with multiple check strips.

$$\text{Adjusted Yield} = \frac{(\text{mean of all checks})n}{(Ch_1)n_1 + (Ch_2)n_2} \times \text{yield of variety}$$

Where Ch_1 and Ch_2 refer to the check strips on either side of the variety and n_1 and n_2 refer to the numbers of strips the variety is away from the Ch_1 and Ch_2, respectively. In addition, n refers to the total number of strips between Ch_1 and Ch_2. The sum of n_1 and n_2 must equal n.

Ch_1	Var_1	Var_2	Var_3	Ch_2
100 bu	150 bu	130 bu	110 bu	125 bu

Example 1
If we were to adjust the yield for variety 1 (var_1), then the equation would be:

$$\text{Adjusted Yield} = \frac{(112.5)\times 4}{(100)\times 1 + (125)\times 3} \times 150 = 158.8 \approx 159 \text{ bu/a}$$