

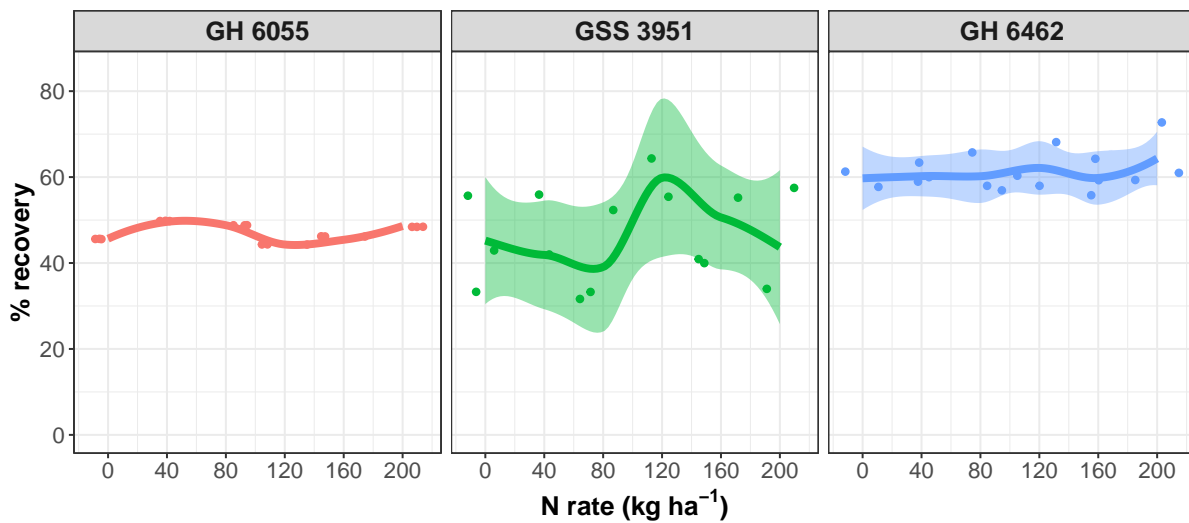
Relationship Between Yield of Processing Sweet Corn and Nitrogen (N) Rate

Table of contents

1	Percent of recovery	1
2	Yield	3
3	Height	3

1 Percent of recovery

The figure below shows an overall trend of % of recovery and N rates across the three sweet corn varieties.

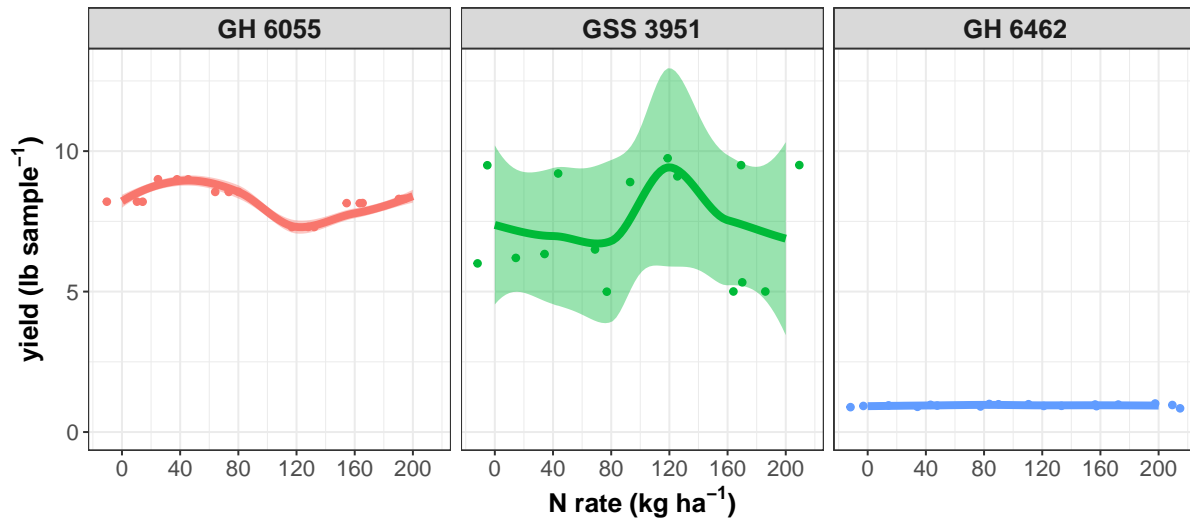


The table below shows the % of moisture and % of recovery at each N level across the three sweet corn varieties.

Variety	N rate (kg/ha)	% moisture	% recovery
GH 6055			
GH 6055	0	78.0	45.6
GH 6055	40	79.0	49.8
GH 6055	80	75.0	48.8
GH 6055	120	81.0	44.3
GH 6055	160	79.0	46.2
GH 6055	200	79.0	48.4
GSS 3951			
GSS 3951	0	84.3	44.0
GSS 3951	40	84.0	49.0
GSS 3951	80	78.7	39.1
GSS 3951	120	82.0	59.8
GSS 3951	160	80.0	45.4
GSS 3951	200	80.5	45.8
GH 6462			
GH 6462	0	71.8	59.5
GH 6462	40	71.2	60.8
GH 6462	80	70.8	60.2
GH 6462	120	72.0	62.1
GH 6462	160	71.2	59.8
GH 6462	200	71.8	64.3

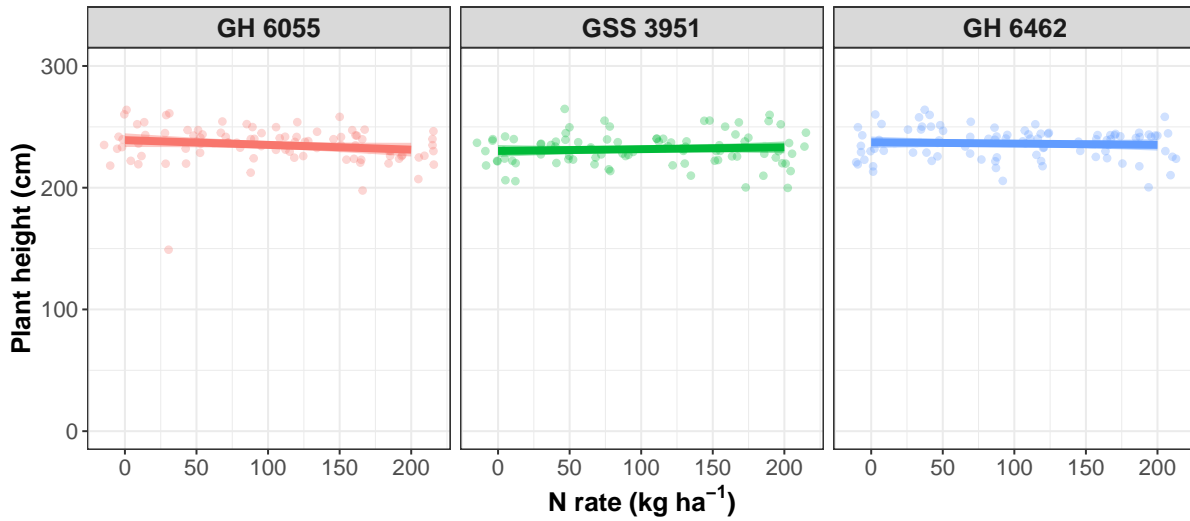
2 Yield

The yield is calculated based on the of total ear weight by total number of harvested samples.



3 Height

Plant height, number of ears and ear insertion were assessed on August 09, 2023.



Variety	N rate (kg/ha)	Plant height (cm)	Number of ears	Ear insertion (cm)
GH 6055				
GH 6055	0	238	2	91
GH 6055	40	234	2	86
GH 6055	80	239	2	86
GH 6055	120	238	2	88
GH 6055	160	235	2	90
GH 6055	200	227	2	87
GSS 3951				
GSS 3951	0	226	2	70
GSS 3951	40	236	2	77
GSS 3951	80	230	2	75
GSS 3951	120	232	2	76
GSS 3951	160	235	2	73
GSS 3951	200	231	2	75
GH 6462				
GH 6462	0	233	2	79
GH 6462	40	244	2	81
GH 6462	80	234	2	83
GH 6462	120	238	2	83
GH 6462	160	236	2	83
GH 6462	200	234	2	74