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# Soybean Yield Prediction Web App

Enter plant data manually or upload CSV to predict seed yield (g/m<sup>2</sup>).

## About Dataset

The training data was collected from field experiments and agricultural trials. Parameters such as plant height, pods, biomass, sugars, chlorophyll and protein content were measured using standard sensors and lab analysis. Data is from the Kaggle dataset "Advanced Soybean Agricultural Dataset" (2025).

Choose input method:

☒ Manual Input

☐ Upload CSV



## Enter Parameters:

Plant Height (PH)

50.5

Number of Pods (NP)

132.0

Biological Weight (BW)

127.0

Sugars (Su)

0.315

Relative Water Content in Leaves (RWCL)

0.677

ChlorophyllA663

10.0

Chlorophyllb649

2.6

Protein Percentage (PPE)

38.5

Weight of 300 Seeds (W3S)

34.4

Leaf Area Index (LAI)

0.05

Number of Seeds per Pod (NSP)

2.6

Protein Content (PCO)

0.32



Predict Yield



Predicted Yield: 20696.71 g/m<sup>2</sup>



Unusually high yield. Check for data entry errors.

