

Systems and methods for determining a degree or rate of error for treatments at a field are disclosed herein. In some embodiments, a system receives first data corresponding to a first agronomic treatment at a field and second data corresponding to a second agronomic treatment at the field. The system uses the first and second data to determine differences and overlaps between characteristics of the first and second data to quantify an error rate at individual subsets of the field. Based on the quantified error rate, a number of metrics and yield data may be interpreted differently or modified to fit the result of the quantified error rate. The system uses the quantified error rate to predict the effectiveness of treatments, modify the rate of experienced yields at a field, and recommend real-time and subsequent corrective actions to take at the field.