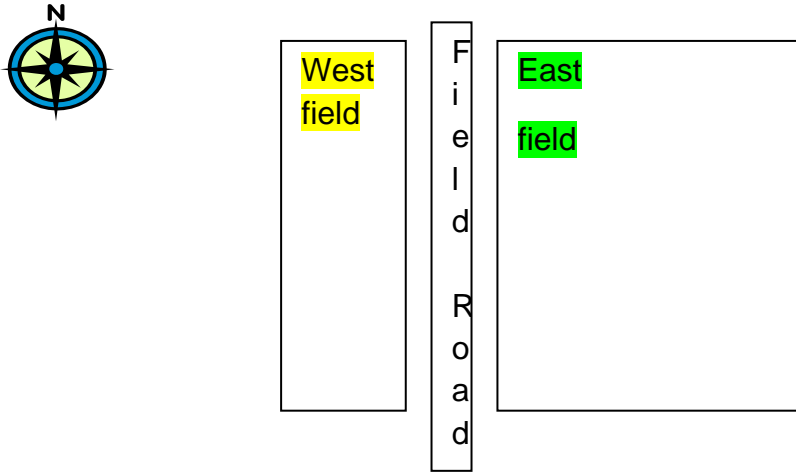


## EXAMPLE ISOLATION CALCULATIONS



### Important Details

- West field
  - Dimensions: 1,250' x 871'
  - Acreage: 25 acres
- East field
  - Dimensions: 1,250' x 1394'
  - Acreage: 40 acres
- Field road
  - Dimensions: 25' wide

### Isolation Requirements

The isolation requirement for the Certified class of many perennial crops is 165', which means that in order to be eligible for certification, a field, or the eligible portion of it, must be a minimum of 165' from crops that can cross pollinate with the field in question. In the case of alfalfa and clover, fields that are a concern are typically a different variety, and include forage production fields as well as seed production fields. In the case of grasses, it can be a different variety of the same species or a different species, such as western wheatgrass and pubescent wheatgrass.

What muddies the water on isolation requirements is the "10% Rule," which states that as long as 10% or less of fields larger than 5 total acres falls within the 165' isolation requirement, the entire field is eligible. Using the maps and measurements above, the following examples will give an idea of how to determine field eligibility using the 10% rule.

### West Field

1. The isolation requirement is 165' **or** no more than 10% of the field may fall within the 165'. The west field does not meet the 165' requirement, so we must do the calculation to determine the portion that meets the 10% rule.
2. The fields are separated by a field road that is 25' wide, so we subtract that from 165' to get 140'.
3. The 140' is then multiplied by the length of the east side of the field, which is 1,250', for a total of 175,000 ft<sup>2</sup> or 4.02 acres.
4. 10% of the total acreage for the west field is 2.5 acres, so we subtract 2.5 from 4 (rounded down from 4.02) to get 1.5 acres. 1.5 acres is the amount of the field that is not eligible for certification.
5. 1.5 acres is equal to 52' x 1,250', so the east 52' of this field must be taken as VNS.

### East Field

1. The isolation requirement is 165' **or** no more than 10% of the field may fall within the 165'. The east field does not meet the 165' requirement, so we must do the calculation to determine the portion that meets the 10% rule.
2. The fields are separated by a field road that is 25' wide, so we subtract that from 165' to get 140'.
3. The 140' is then multiplied by the length of the west side of the field, which is 1,250', for a total of 175,000 ft<sup>2</sup> or 4.02 acres.
4. 4.02 acres falls within 10% of the total acreage of the east field, and thus the entire field is eligible for certification.