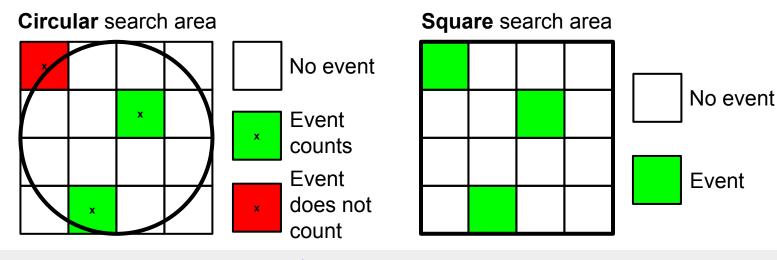
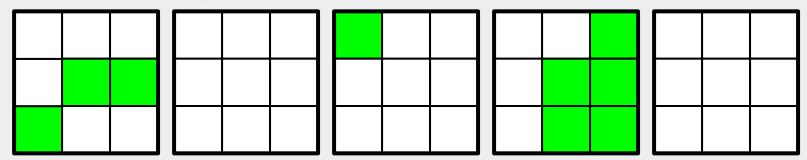
Neighborhood Maximum Ensemble Probability Quick Reference Guide

Neighborhood probability calculations can use a circular or square search area.



Example: An ensemble of 5 members using a 3x3 square search area 3 of 5 ensemble members have an event in the search area = 60% NMEP (Note: This is a binary search, so it doesn't matter how many events are in the search area)



The Neighborhood Maximum Ensemble Probability (NMEP) can be mapped at all grid points, and then smoothing can be applied.

Smoothed Neighborhood Maximum Ensemble Probability of updraft helicity in the 2-5 km layer greater than 75 m²s⁻² during the forecast period

