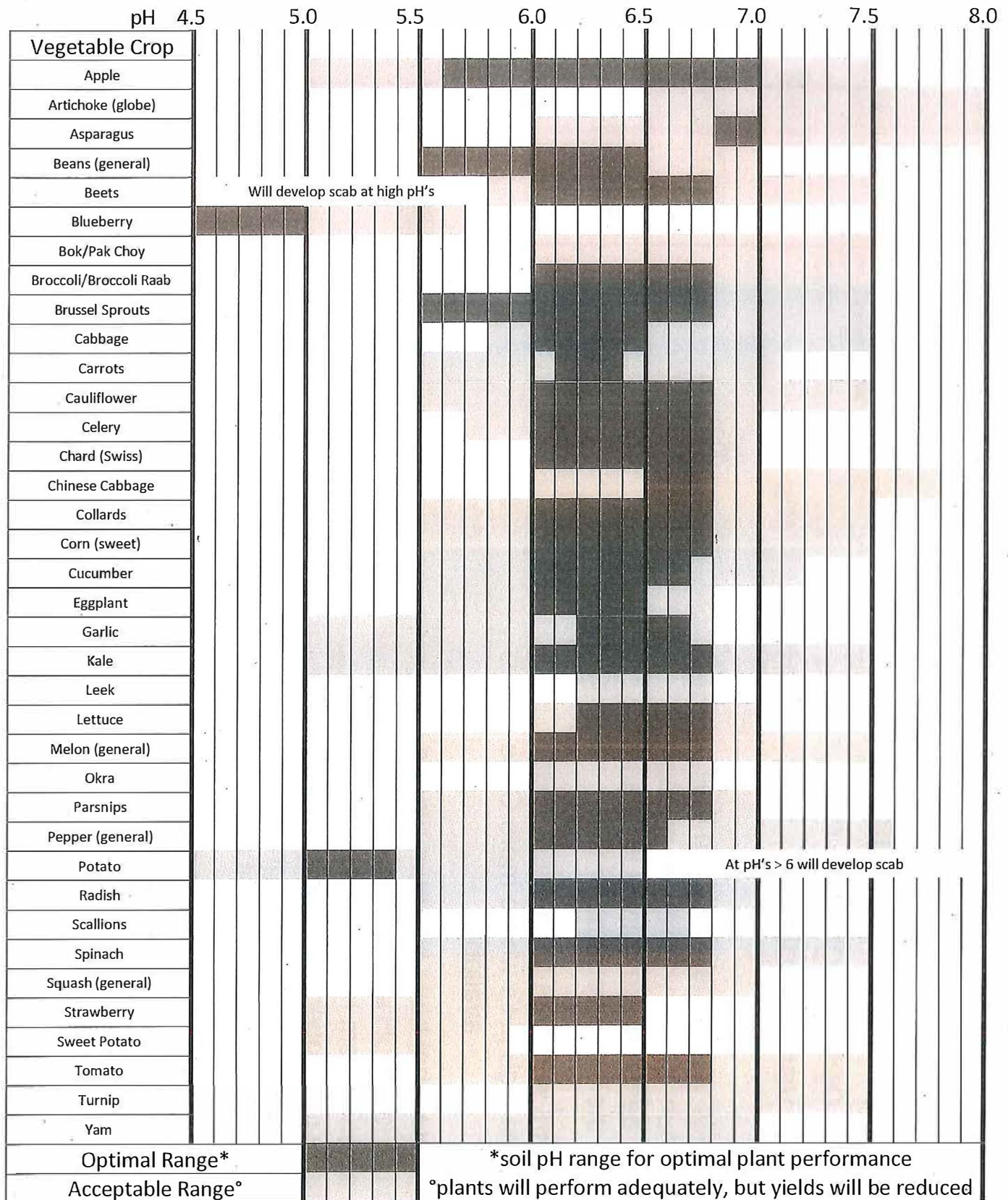


Soil pH ranges for a selection of Horticultural Crops



For a larger selection of crops or further information contact Jonathan Russell-Anelli,
Department of Crop and Soil Sciences, Cornell University at jmr5@cornell.edu

Appropriate pH conditions for optimal growth of various plants

Plants vary considerably in their
optimum pH growth range: appear
to be based on **sensitivity to Al** and
their requirement for Ca

Species with **high Ca nutrient needs**
require high pH's where more Ca is
available

Species that have **optimum ranges**
in the lower pH's, are typically forest
species from humid regions and
have developed **tolerance for high**
[Al] and often require higher **[Fe]**
which is more available at low pHs

Most **cultivated crops** grow well in
soils with a slight acidity (5.5 to 7)

