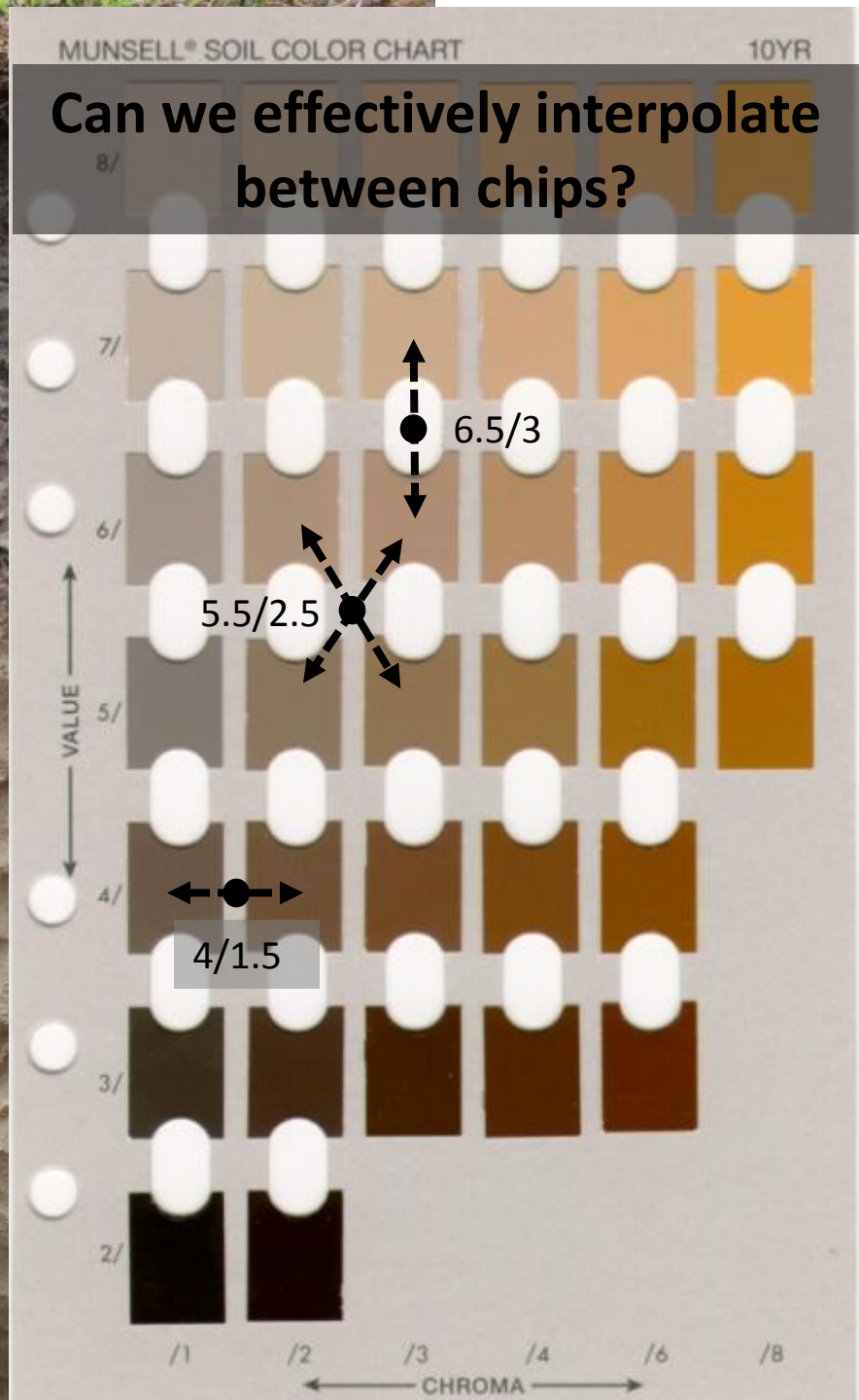




Dr. Marty Rabenhorst



- 4 experienced soil morphologists measured the color (2, 6, 8, 41 yrs experience)

- Uniform Lighting Conditions - “natural daylight” bulb

- Same color book used

- Color estimated to nearest whole chip and half chip

- Used 23 samples and estimated both dry and moist color

- 46 total color estimates

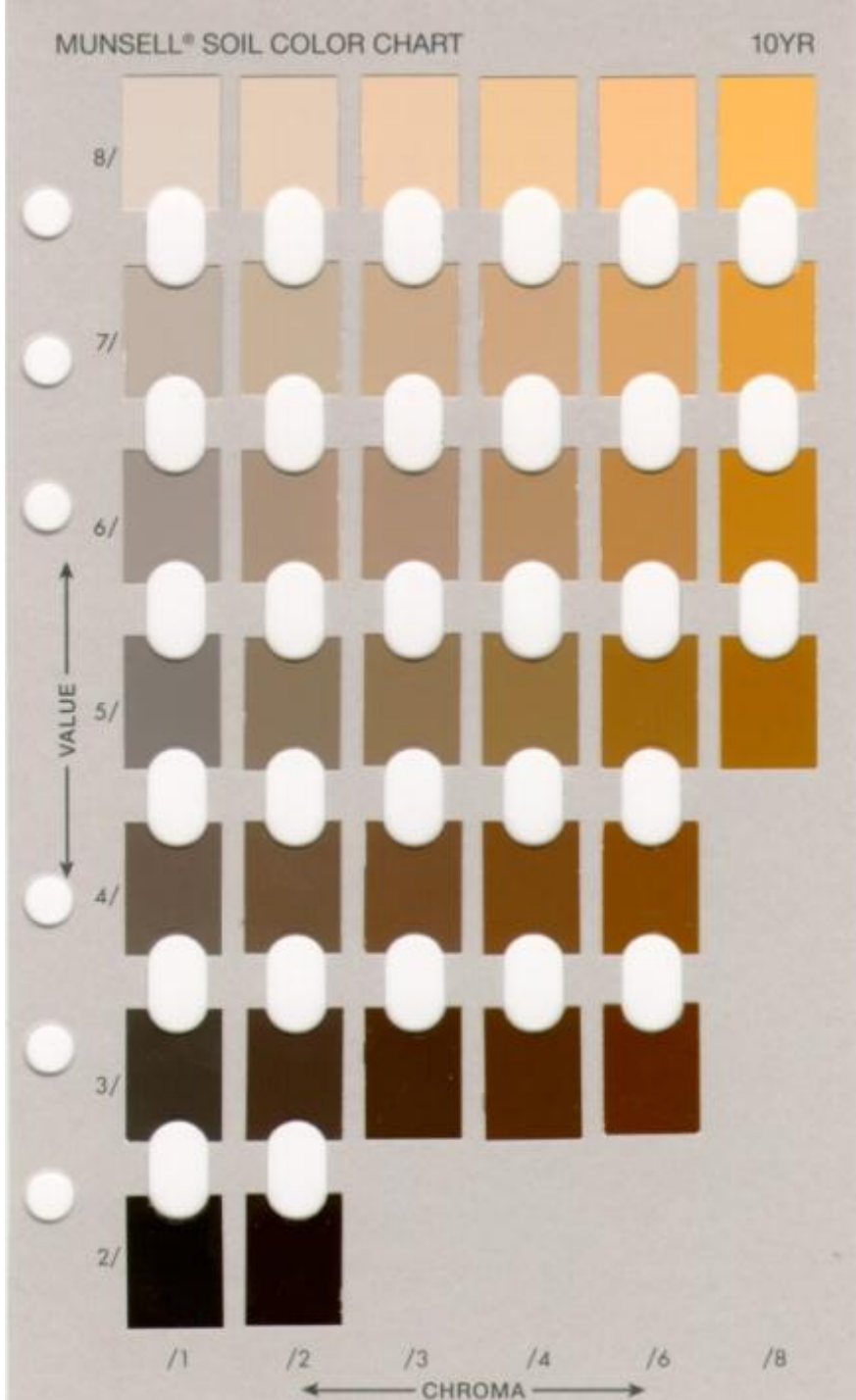




Minolta CR300 Digital Colorimeter

Hue, Value and Chroma
Measured to nearest 0.1 units

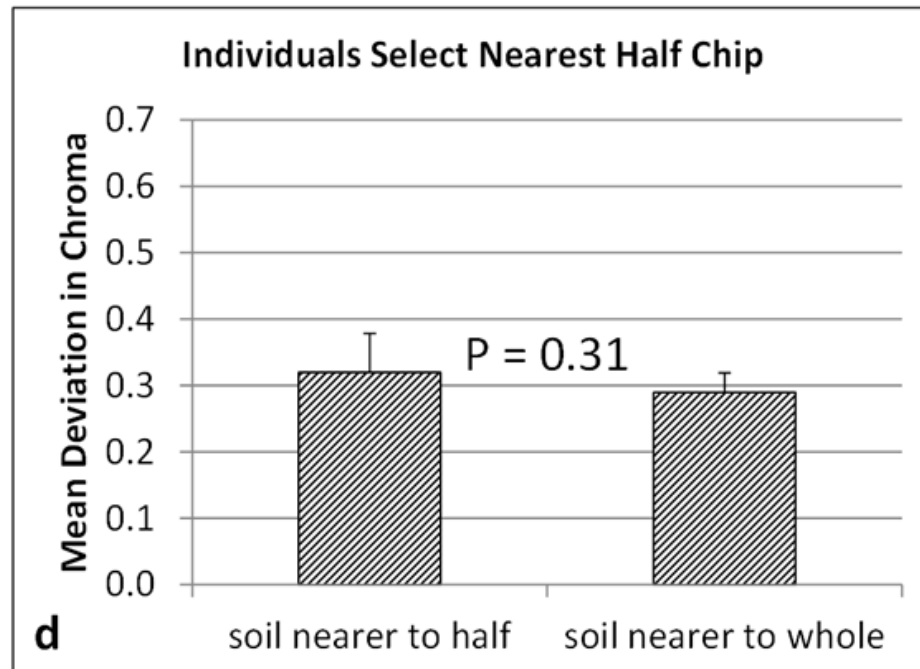
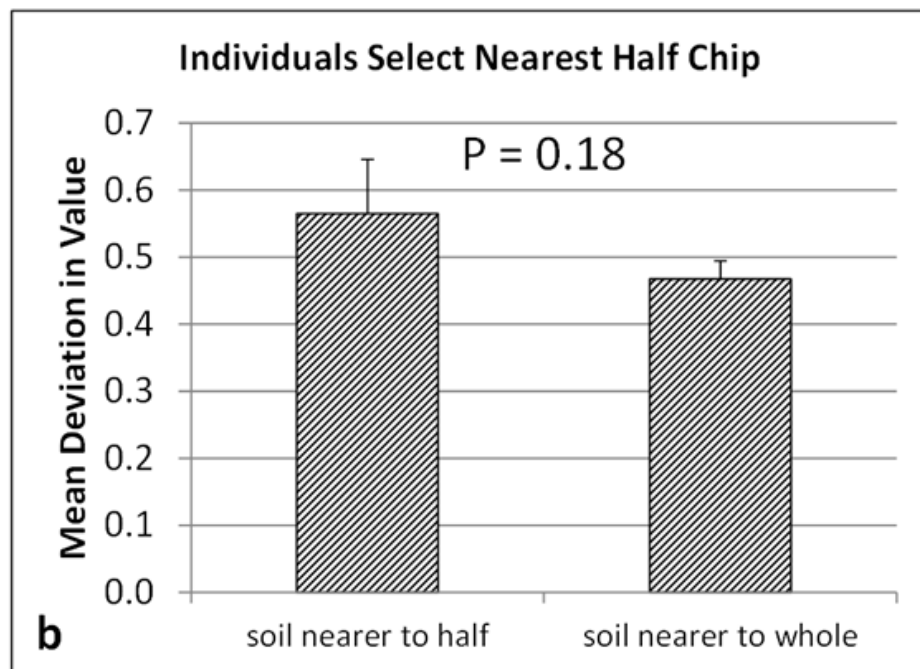
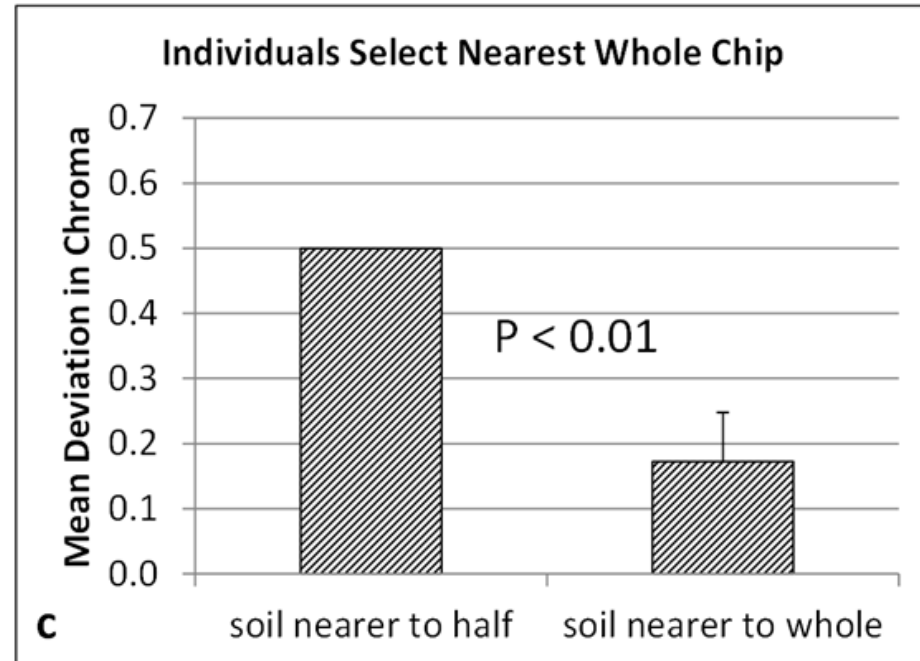
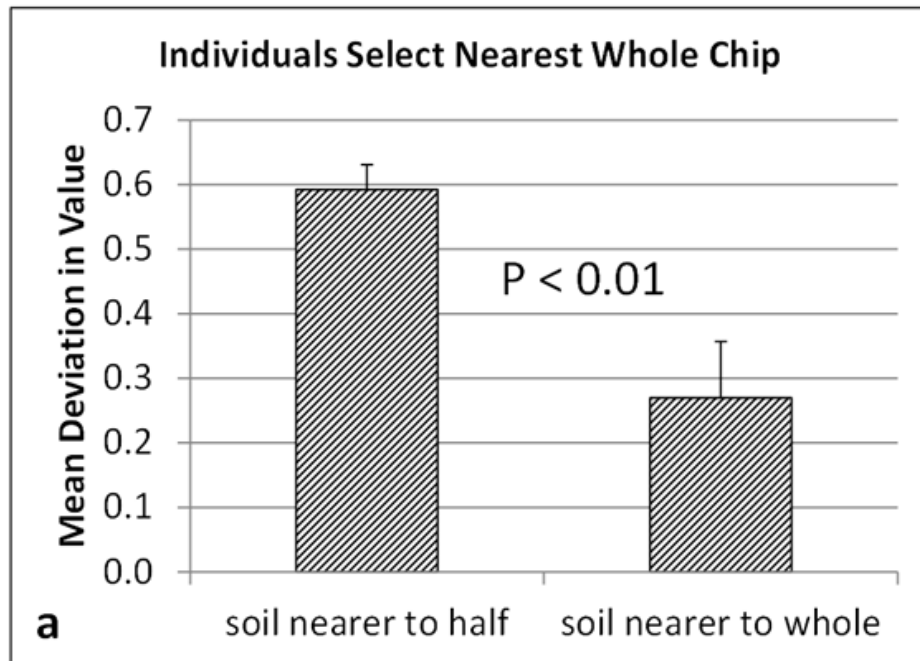
Man (and woman)
against
Machine!!!!



- Values ranged from 2 to 7
- Chromas ranged from 0 to 3
- 28 of the 46 samples measured with the colorimeter were closer to the half chip than the whole

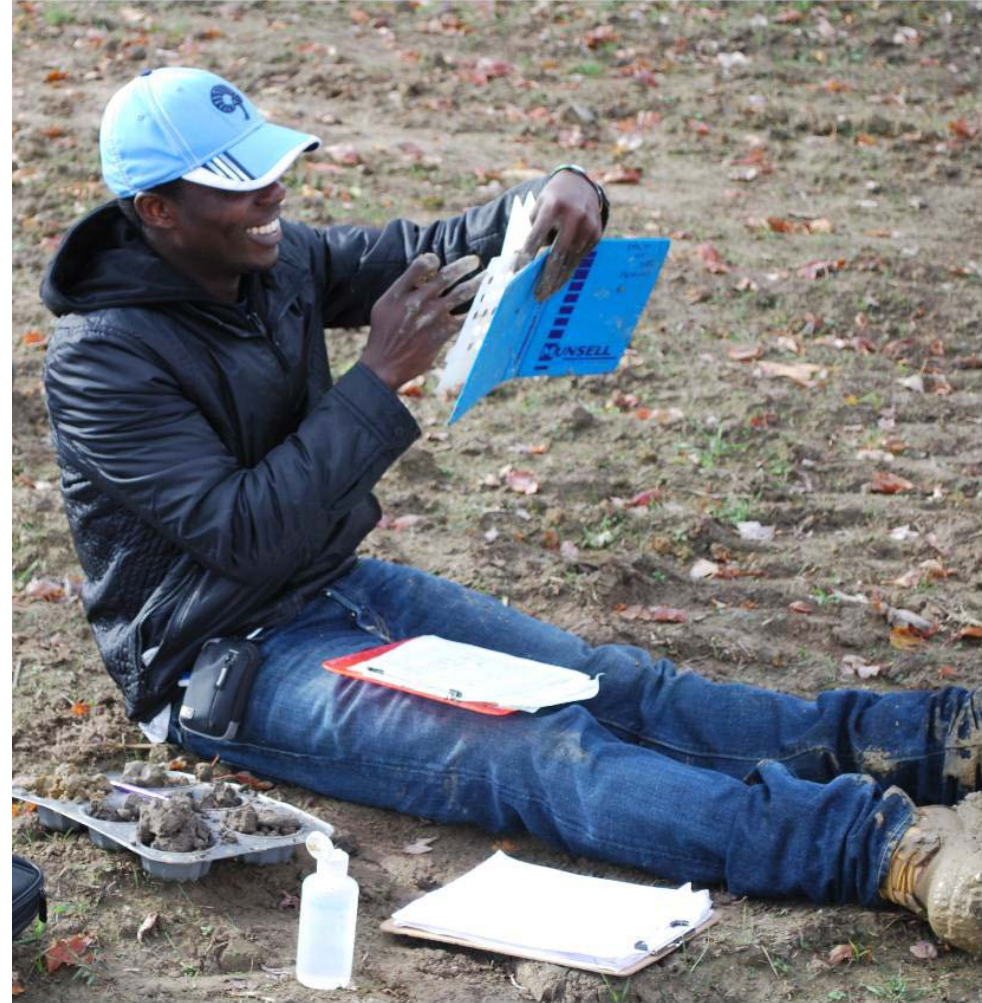
Value

Chroma

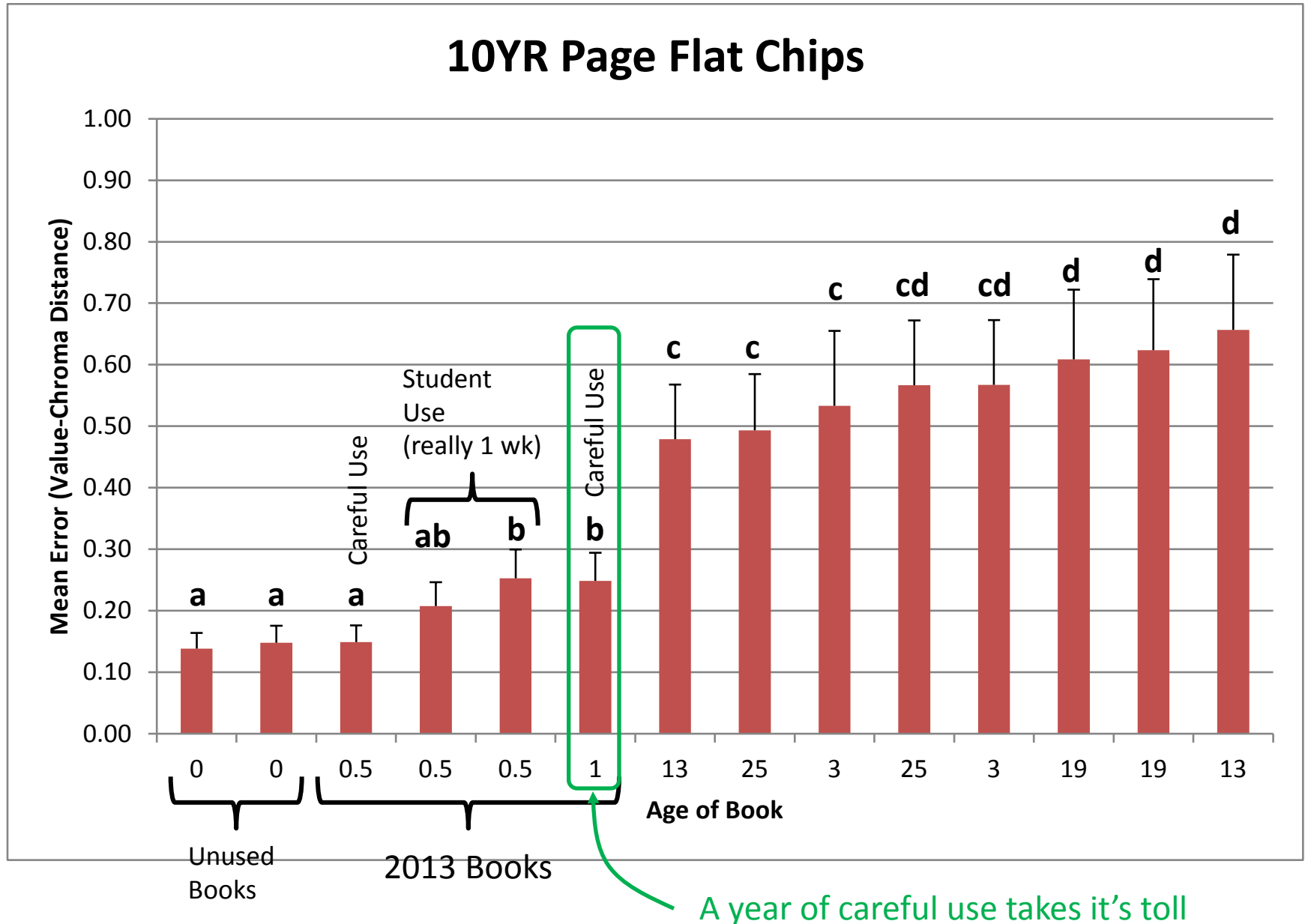


How good is your colorbook?

- Our color books are usually purchased for the Soil Judgers
- Age of books
 - 2013 (<1 yr)
 - 2010 (3 yr)
 - 2000 (13 yr)
 - 1994 (19 yr)
 - 1988 (25 yr)
- Student use is “hard” use
- Some are more “careful” in use of books



Value-Chroma Change with Age/Use of Color Books



Value-Chroma Change with Age/Use of Color Books

10YR Page

