

Muskoka Lime Trial 5 Year Results 2005-2009

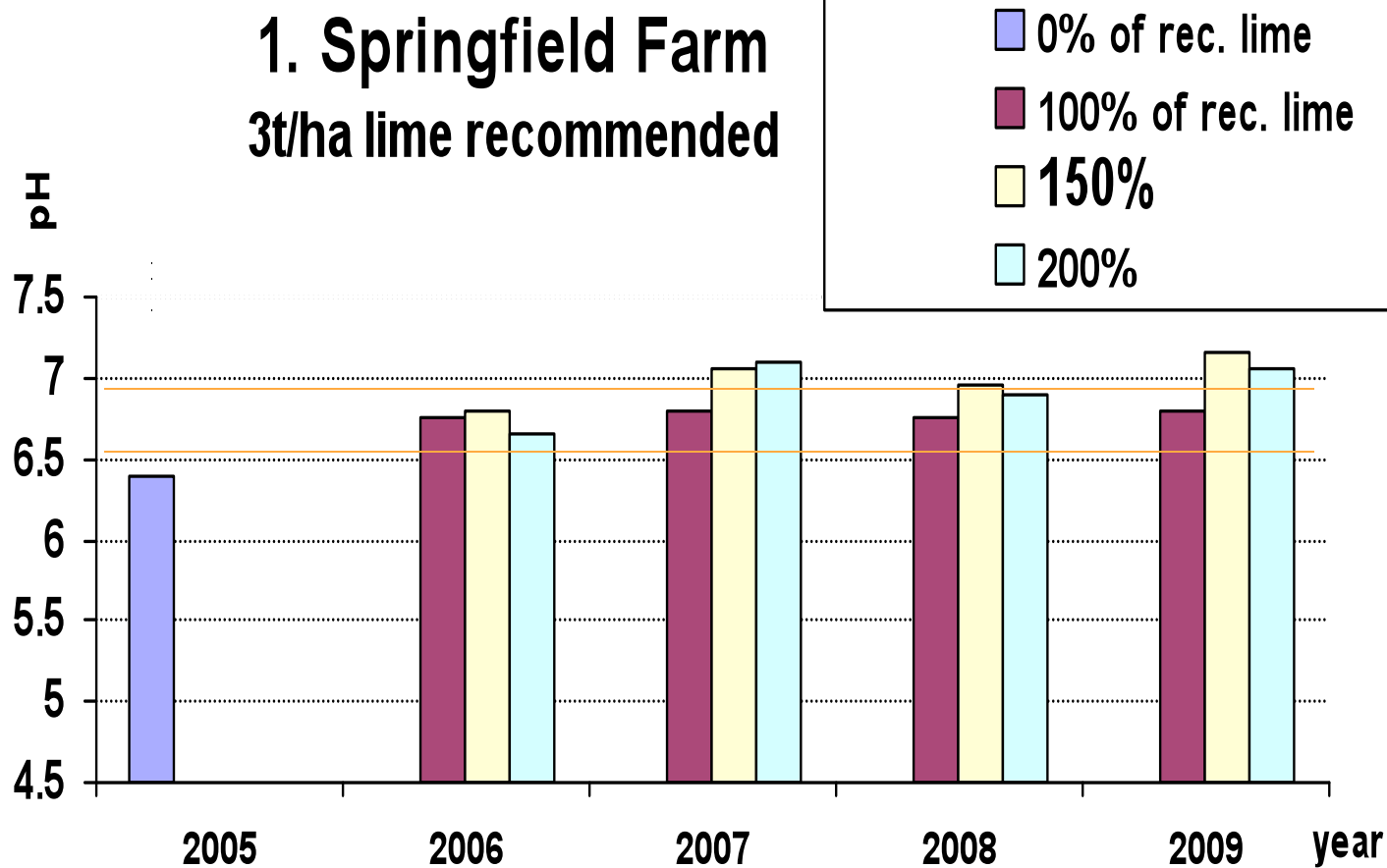
Major OSCIA Grant 2005 .

Muskoka Soil and Crop Improvement
Association

- **Long term impact of recommended, higher and lower rates of Lime**
- **Six participating Farmers**
 - **Cereal /hay , Organic Vegetables, Strawberries.**
 - **Sandy to Clay soils**
 - **2005 baseline samples**
 - **Initial pH 5.3 to 6.4**
 - **3 – 15 t/ha of lime recommended . Calcitic lime used**

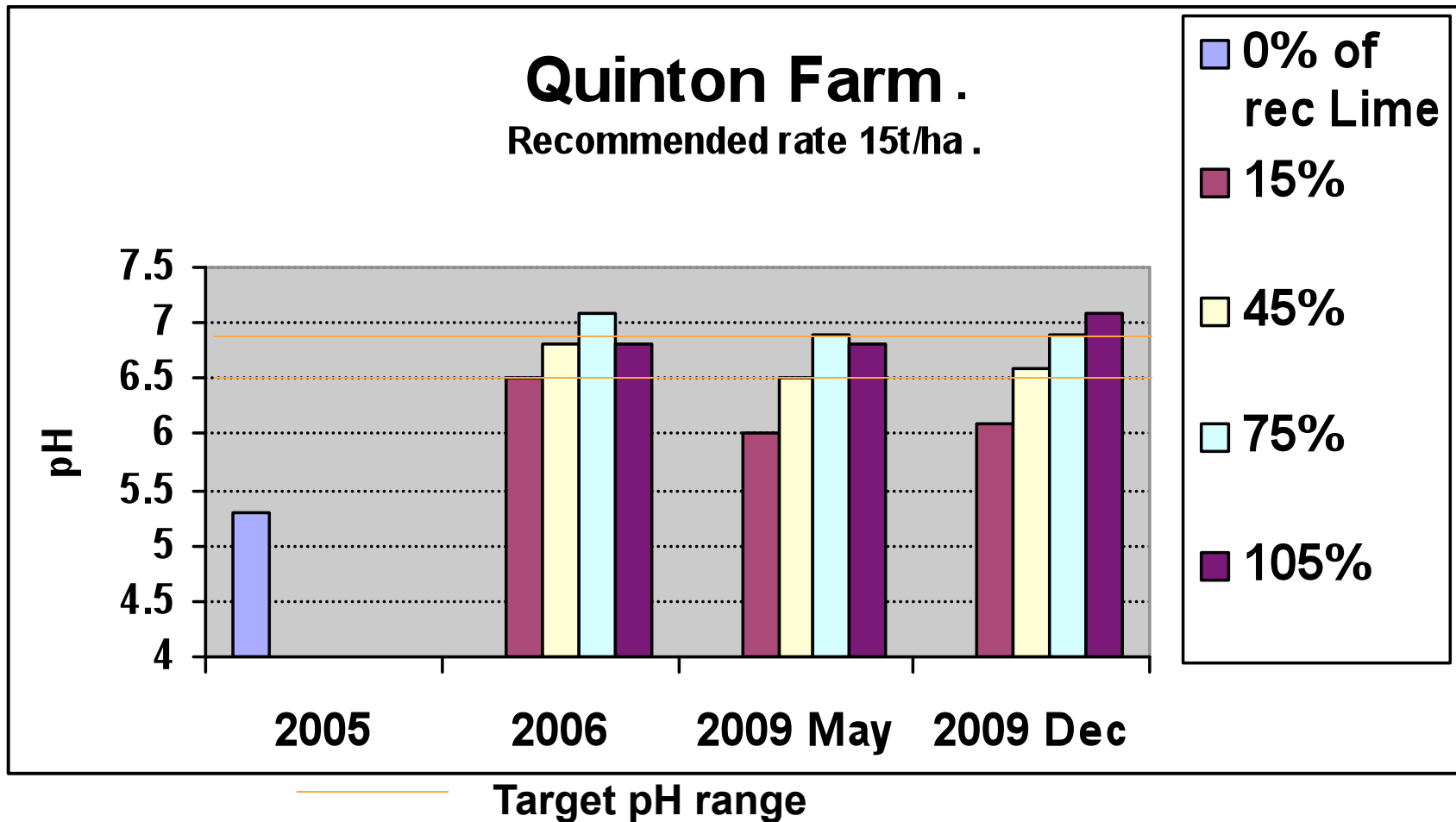
Effect of Lime and Time on pH

1. Springfield Farm
3t/ha lime recommended

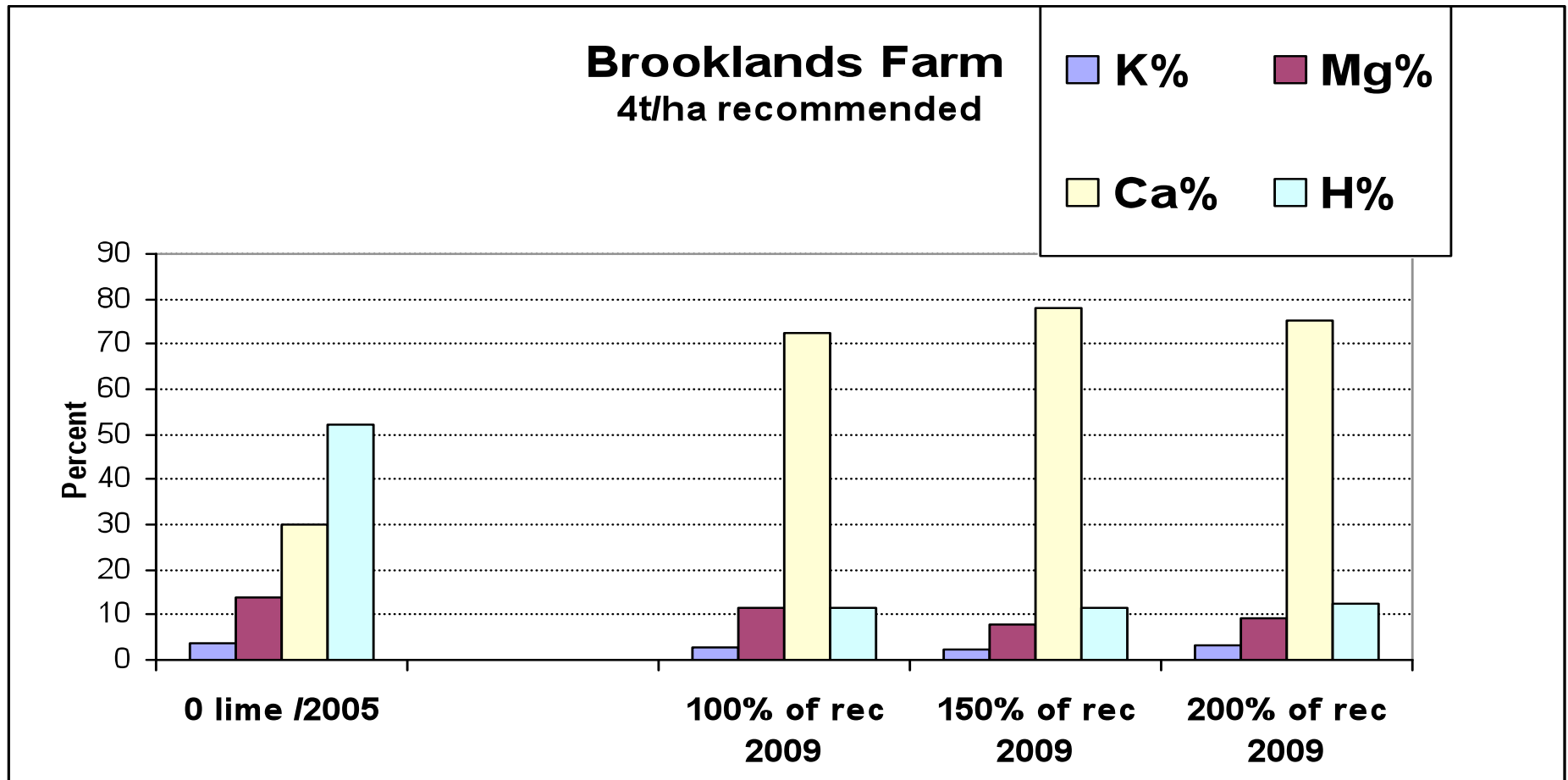


Target pH range

Effect on pH -(cont)

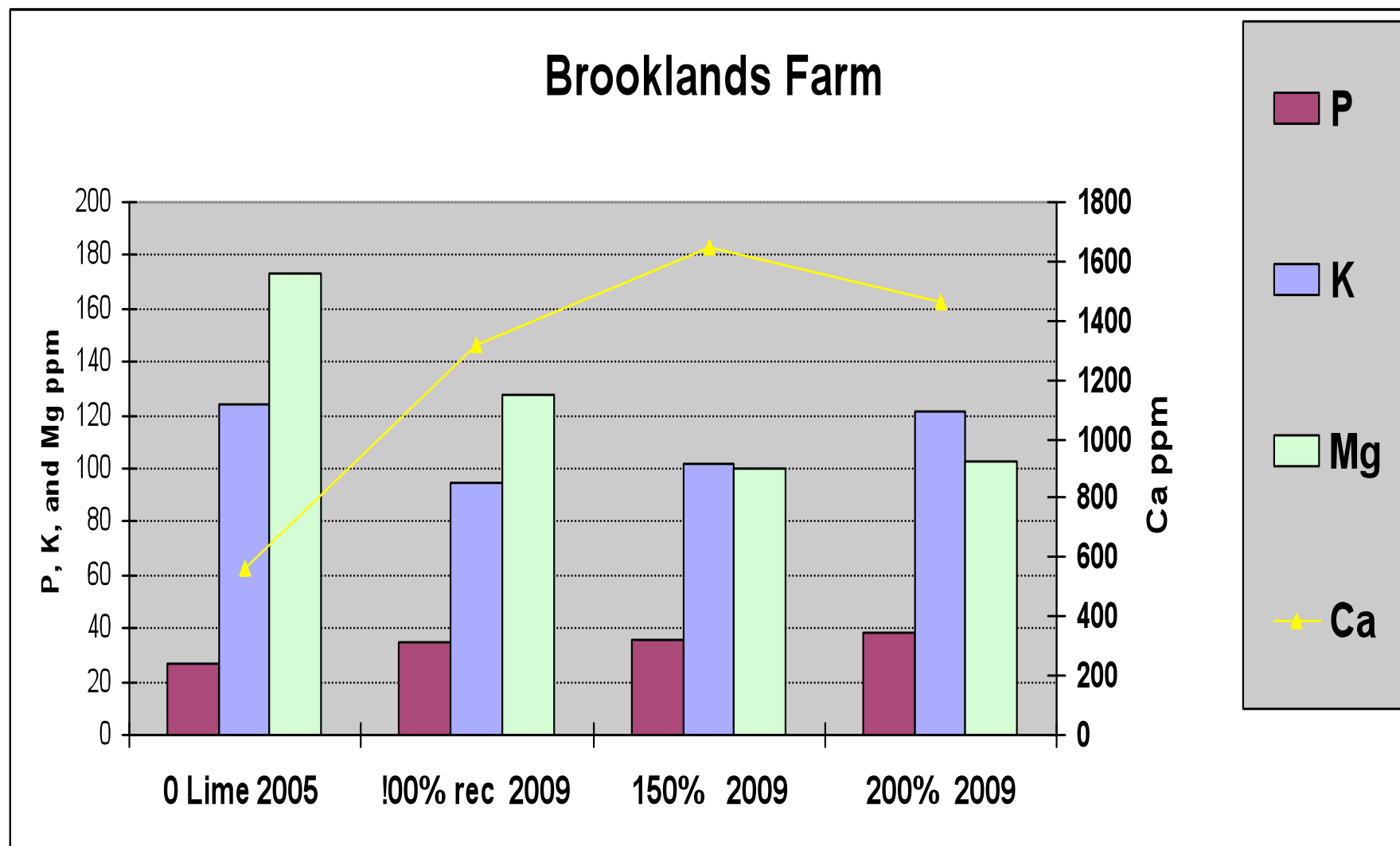


Effect on % Base Saturation



Effect on 4 soil Nutrients

in ppm



Summary of Findings

- 4 years after liming :

- Liming increased pH to target levels at all sites – no decrease to date
- Large changes in base saturation and soil nutrients
- Higher than recommended lime not beneficial – could be detrimental
- Liming improved yields and quality at some sites.
- Plans to resample all sites after 2 years
- Full results found at [http://www.muskokafarmfresh.com/mscia/research results](http://www.muskokafarmfresh.com/mscia/research-results)