Pacific Institute for the Mathematical Sciences

Math INDUSTRY

Analysis of components of food production for sustainability in Canada

TheoryMesh

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Outline

Motivation problem

Goal

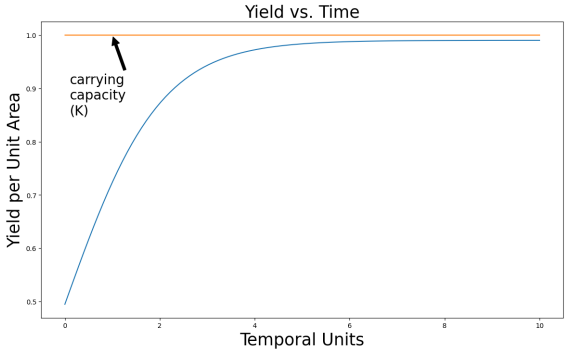
Here ...

Outline

Availability of information for producers

- Information is power!
- Currently, the relavent information resides in technical journals that is penetrable only for researchers and experts in the field.
- Needs to be available/intelligible to producers.
- The general sentiment conveyed by industry participants:
  - There needs to be a change in the way that information is disseminated.
  - It used to be that the when/where/how questions of crop production were passed by word of mouth: "Do this because it has always worked."
  - This is no longer tenable with the rapidly changing climate/environmental conditions.
  - Over the coming decades that will span a contemporary producer's career, they will invariably need to adjust their approaches.

What can be gleaned from the data?



- $K = K(x_1, x_2, \ldots, x_n)$, where no x_i is a temporal variable.

Factors Affecting K

References


OECD, (co-author(s) if any) (year), (Title), https://data.oecd.org/canada.htm.

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