4.2 babies born every second – 2.4 people
144 people every minute
8,640 every hour – Prinville, OR
207,000 people every day – HALF the size of Portland
1.45 mil. people every week – Philadelphia
43.5 million people month – Spain
522 million in one year – twice the pop. of the US
How will we survive?

- Starving people across the globe
- Energy, fuel, nutrients, water, air to grow F&F
- Enough natural resources?

- Oops, Soil

- If run out of energy, water, nutrient – how do we survive? And soil? Maybe most importantly... the health of soil
Historical Perspective
Steam Engines
The Beginning of the Dust Bowl
Dust Bowl

Approaching Dust Storm 5mi. Away - Western Kansas
Stovall Studio, Dodge City, Kansas

Sun April '44-35
Copyrighted 1935
First Modern Tractor
“the wastage of soil and moisture resources on farm, grazing, and forest lands …is a menace to the national welfare”

-established the **Soil Conservation Service USDA**
1985 Food Security Act

- Erosion control
- Wildlife
- Protect wetlands
- Improve water quality

- Protect the Nation’s long term capability to produce food and fiber.
Energy Crunch
Questions?

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