

# South Sacramento Valley Processing Tomato Production Meeting

January 8<sup>th</sup>, 2020

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ZACH BAGLEY

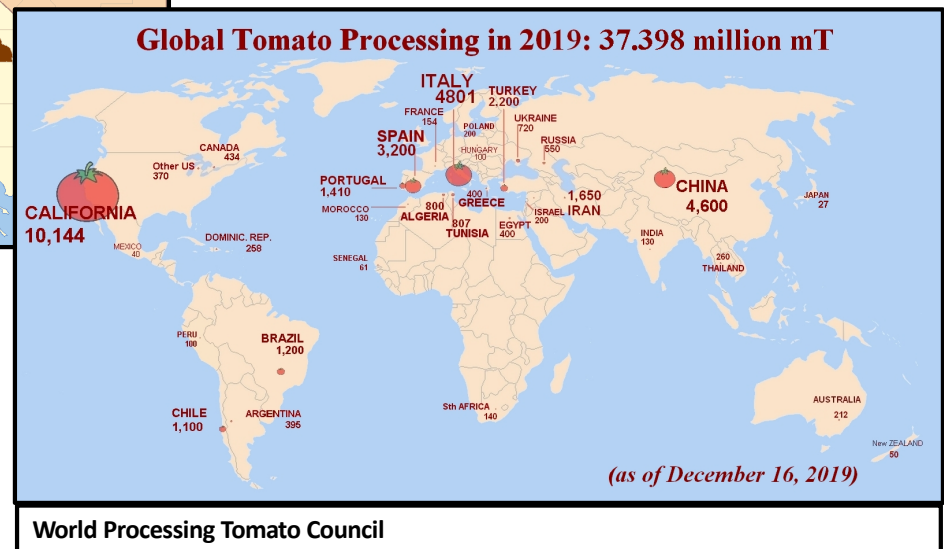
MANAGING DIRECTOR

CALIFORNIA TOMATO RESEARCH INSTITUTE

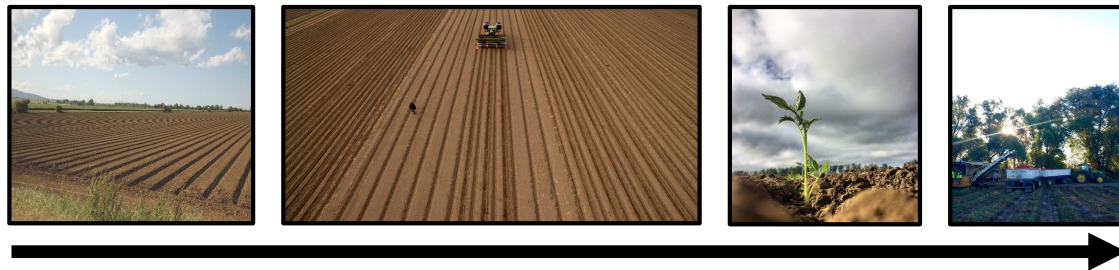


# CA Processing Tomato Industry...

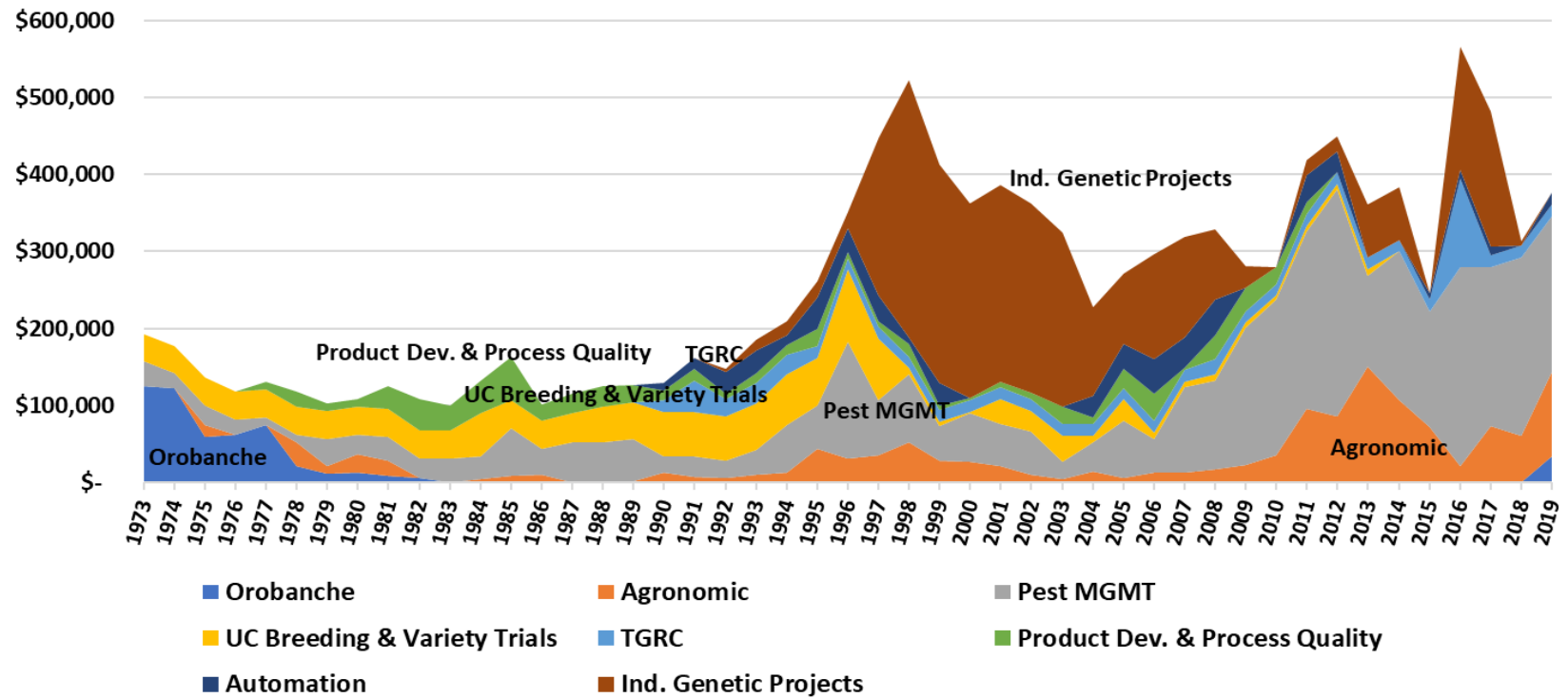
- CA accounts for ~30% of global production
- 253,000 acres (5 year average)
- 48.4 tons/acre (5 year average)
- > \$800 million in annual farm gate value (5 year average)



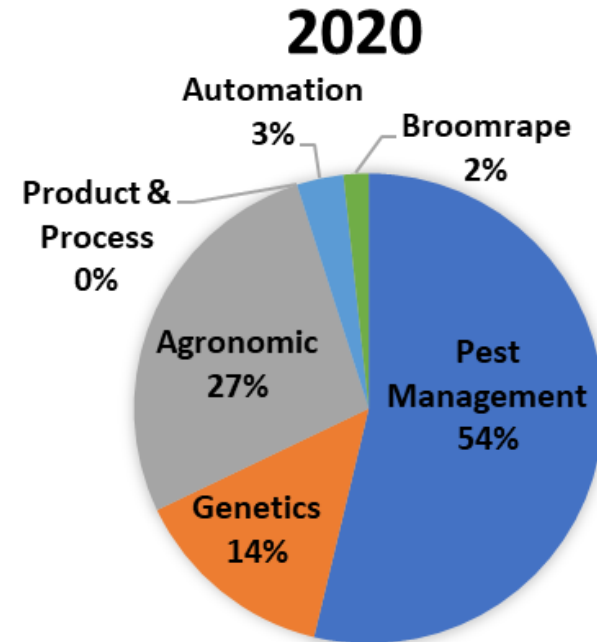
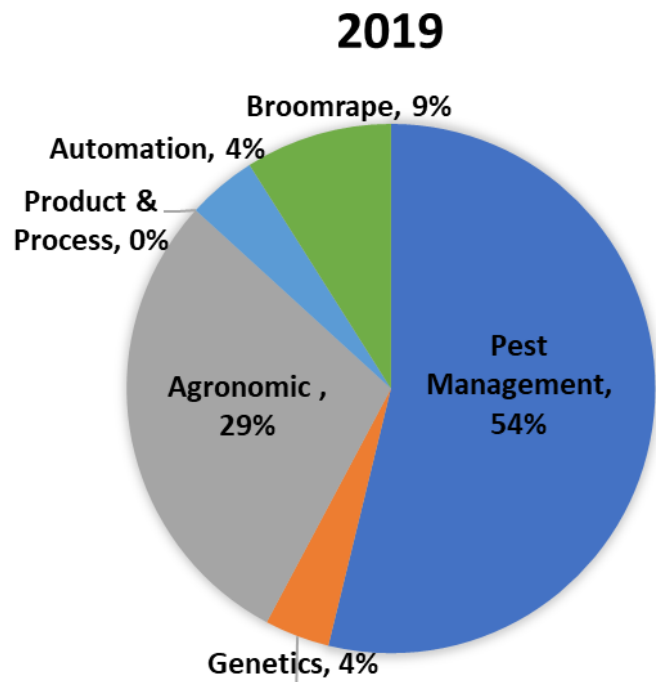
“As the **industries research sponsor** it is the job of the CTRI to **build durable coalitions** around the **questions** whose **answers** will drive the **long term success** of the California processing tomato industry.”



# CTRI - Research Expenditure...1973-2019



# CTRI - Research Expenditure...2019 & 2020

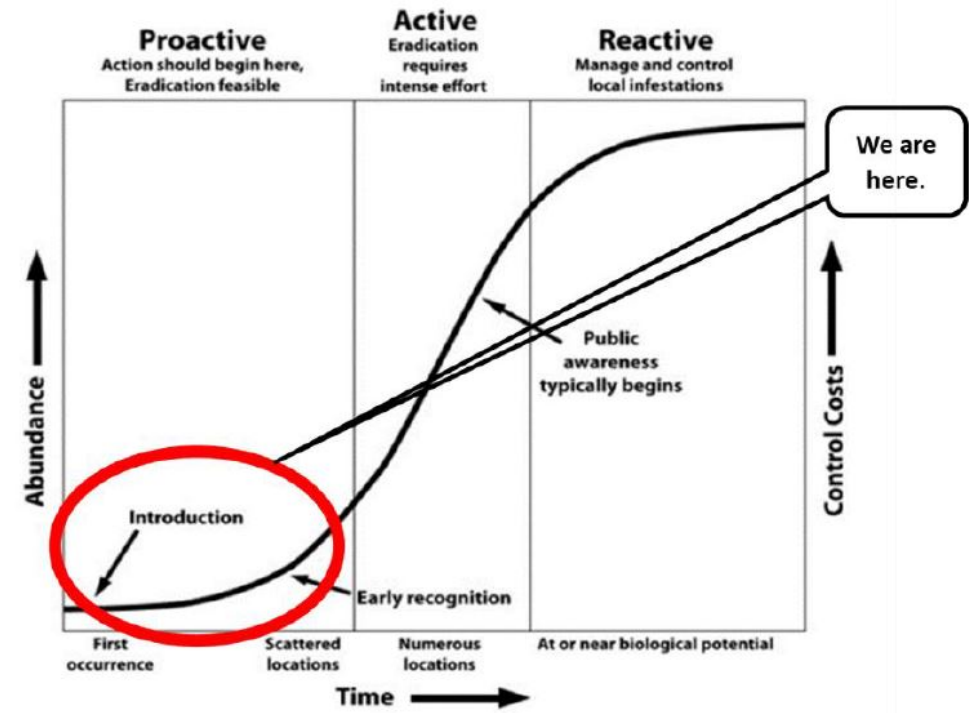


# Extrapolated Trends and Future Research Considerations

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1. Will past teamwork (CTRI, CLFP, CTGA, PTAB, etc.) on major challenges translate into future collaboration?
  - **Potential of invasive pest or disease:** broomrape, ToBRFV, Tuta absoluta, BMSB, etc.
  - **Regulatory concerns:** labor, crop protection products, water, etc.
2. What will be the next **positive** disruption?
  - Genetics of wild tomato, soil microbiome, automation (transplanting, cultivation, yield monitoring), market differentiation...?
3. No silver bullet – we must stay ahead of the resistance curve
4. Robots will come for our weeds, what about our data?
  - Big promises have been made around machine learning and big data – obvious potential but the matrix of variables in the field is quite large.





**Phases of Invasive Species Invasion and Control**

# Broomrape: CA Tomato Industry Efforts

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- Working towards inclusion into Federal Crop Insurance
- CTRI \$s towards research in 2019 and 2020
- Western Region IR4 \$s towards research
- CDFA E-Fund \$s towards research
- CDFA Specialty Crop Block Grant \$s towards research





# Reminder

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