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# Make a visual timeline in ppt

Go to *docs > enterprise-budgets > timelines-visual.ppt*. Add a page with the visual.

# Assign a unique ‘scenario\_id’ to whatever you are creating

Each location has a ‘base’ scenario. If you are creating a base scenario, call it ‘base\_0000’ for Tulare, ‘base\_1000’ for XX, etc. (still working on this).

# Add any new fertilizer types

Go to the *R > data\_refs > refbyhand\_fert-types.xlsx* file and add it there. This will be the ‘code’ with which you refer to that unique fertilizer.

Go to *R > code > 00\_refs > 01\_create-fert-refs.R*. Figure out how much nitrogen is in the fertilizer, as a percentage and add it to the code. Make sure the new fertilizer also gets added to the greet calculations (starts on line 115).

Also assign the fertilizer to a category for N2O emissions *data\_refs > refbyhand\_fert-category.csv.*

# Add any new field pass types

Look at the visual and *R > data\_refs > ref\_ops-fuel-usage.csv.* Decide if there are new categories of field passes that need to be included.

If there are, go to *R > code > 00\_refs > 03\_create-tractor-fuel-use-ref.R*. You can look through NRCS things and pick the best. They will be incorporated into the file *R > data\_refs > ref\_ops-fuel-usage.csv.* This is just a master list that is called in the code (not right now…need to fix that).

# Translate timeline into field ops

Go to *R > data\_in > scenbyhand\_fieldops* and enter a new section with all of the information derived from the timeline.

Run the code in *R > code > 01\_data-prep > 01\_field-ops.R* to create a clean scenario field ops section in the file *R > data\_in > scen\_fieldops.csv*.

# Translate pesticide applications

Do the same for *scenbyhand\_pests.csv.* Run the code for pests, creating *scen\_pests.csv*.

If a new active ingredient is added make sure to add it to the code that writes *ref\_pest-ais.csv* (second part of *01\_data-prep > 02\_pest.R*). Also include the active ingredient amount in each product. If the units are unique, you will need to go to *00\_funs > fxn\_ProcProdData.R* and make sure it gets delt with in section *5. Pesticides (p)*