

# Milk POWDER

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In my opinion,  
all palm oil  
should be banned.

01/01/17 - 22/09/17

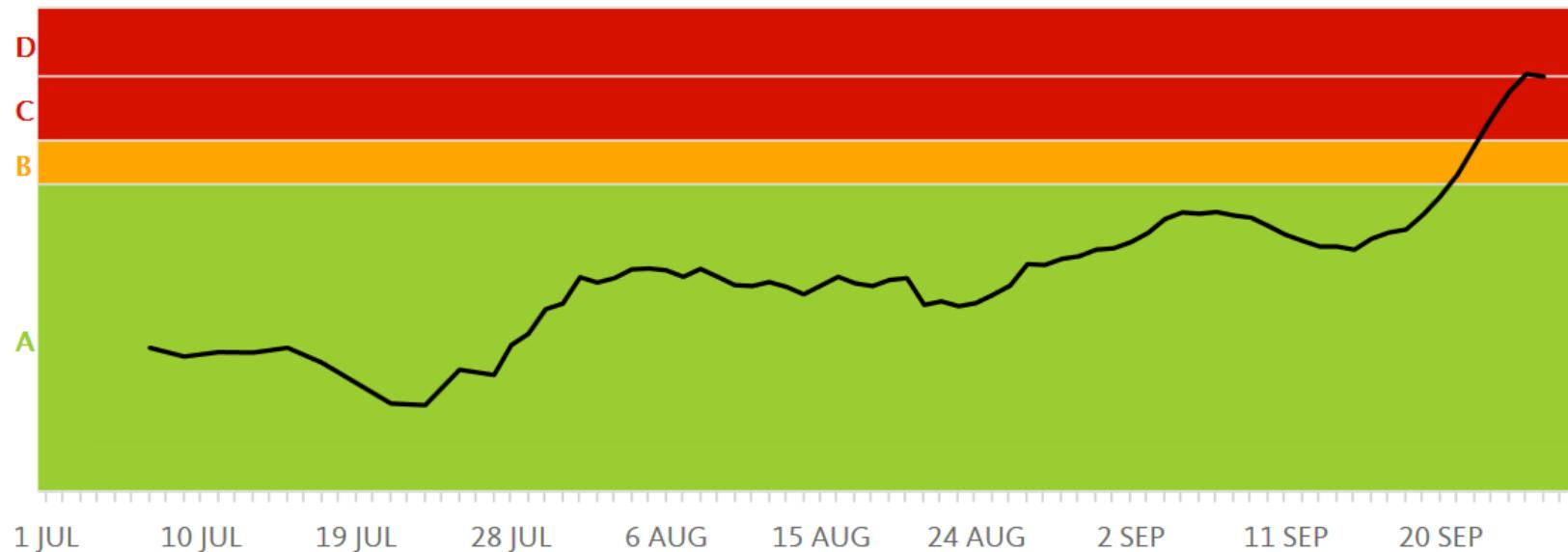


2017/18



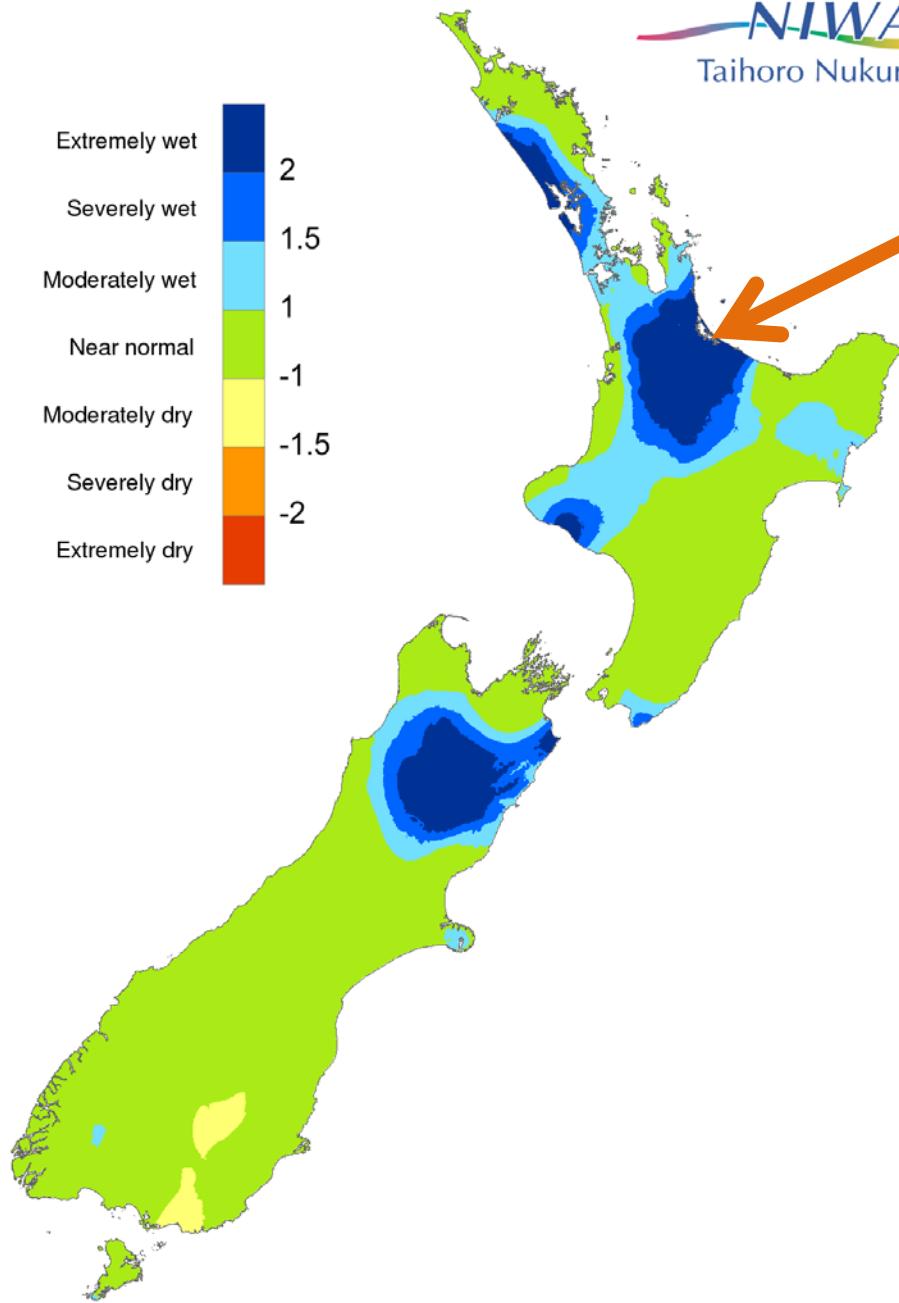
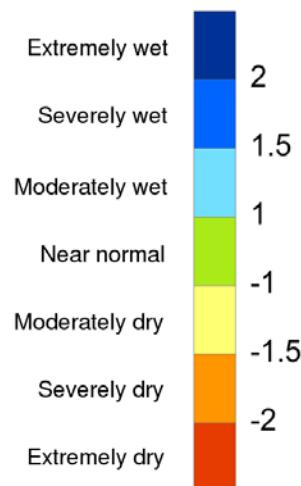
Last 10 Days

### FEI : This Season



- Kg/L
- Litres
- SC%
- Kg/L
- Fat
- Mil
- Prc
- FEI

# SPI Drought Index for 9am 27/08/2017 to 9am 26/09/2017

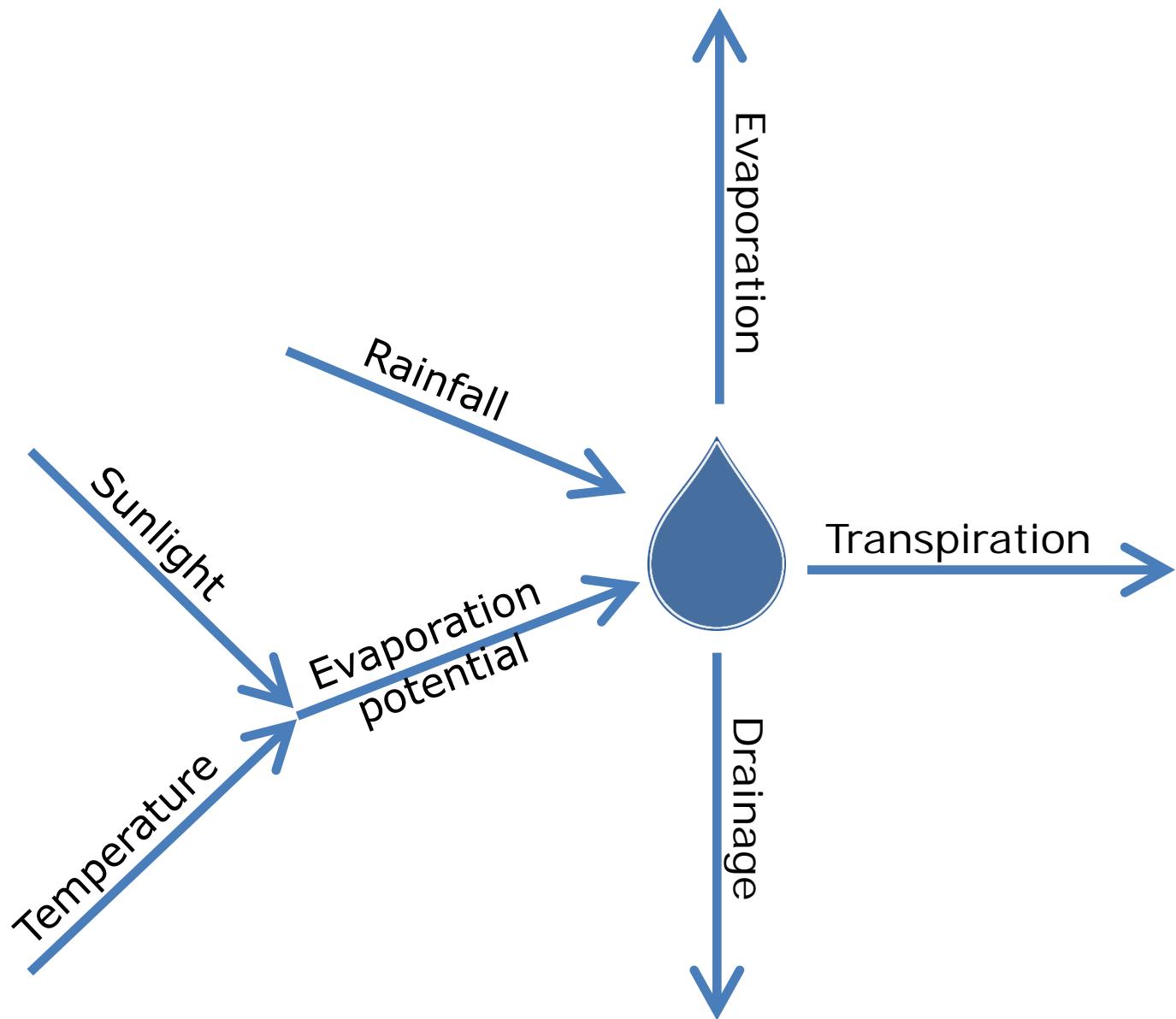


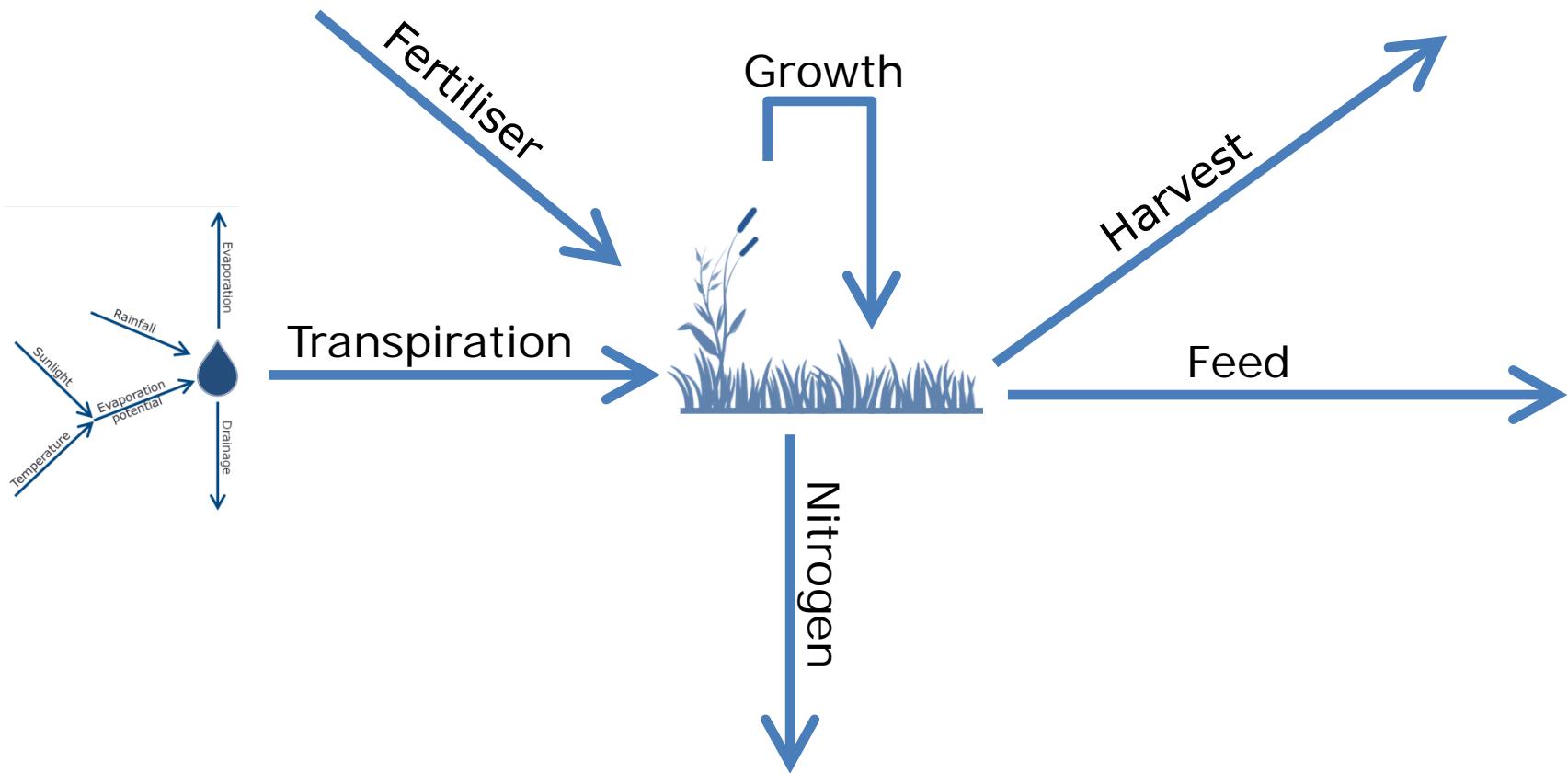
**Our farm**

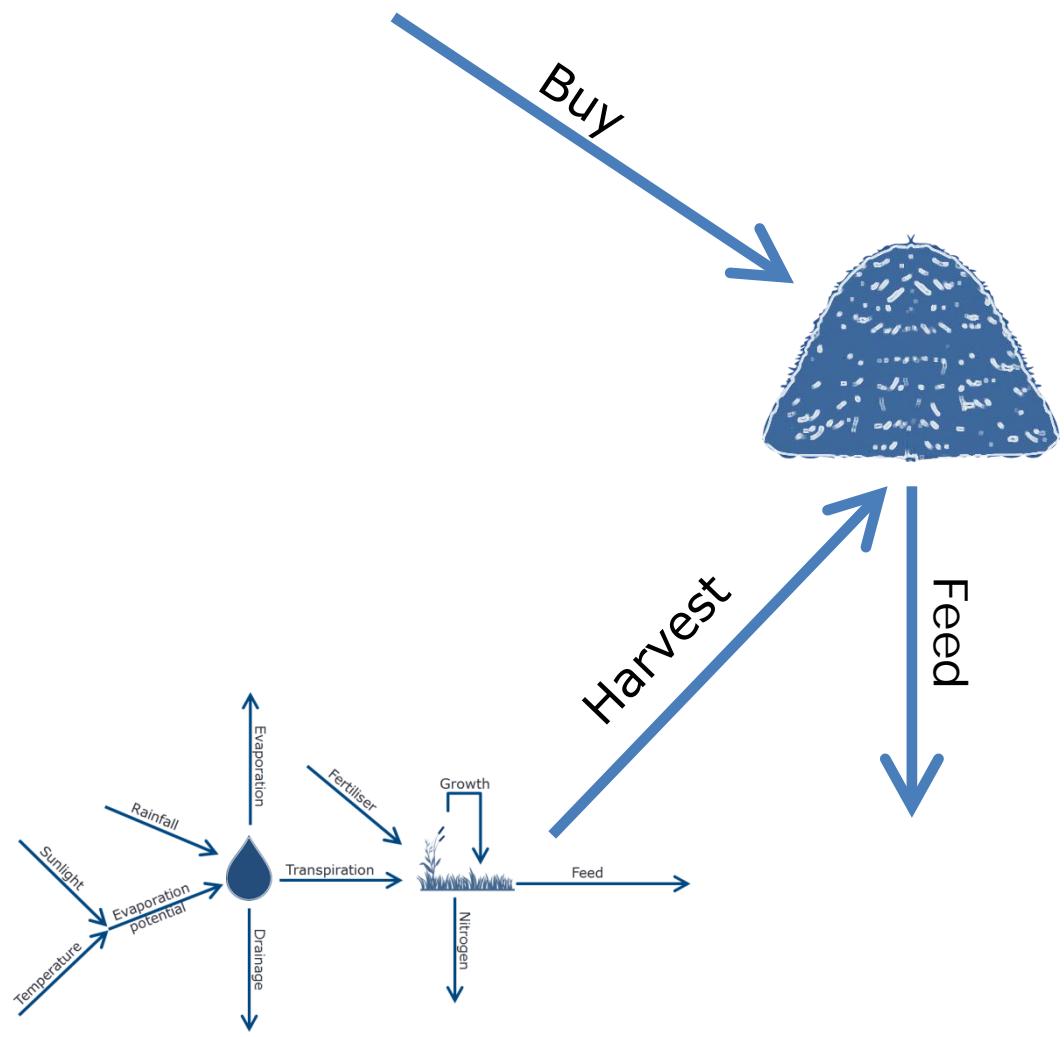
# What went wrong?

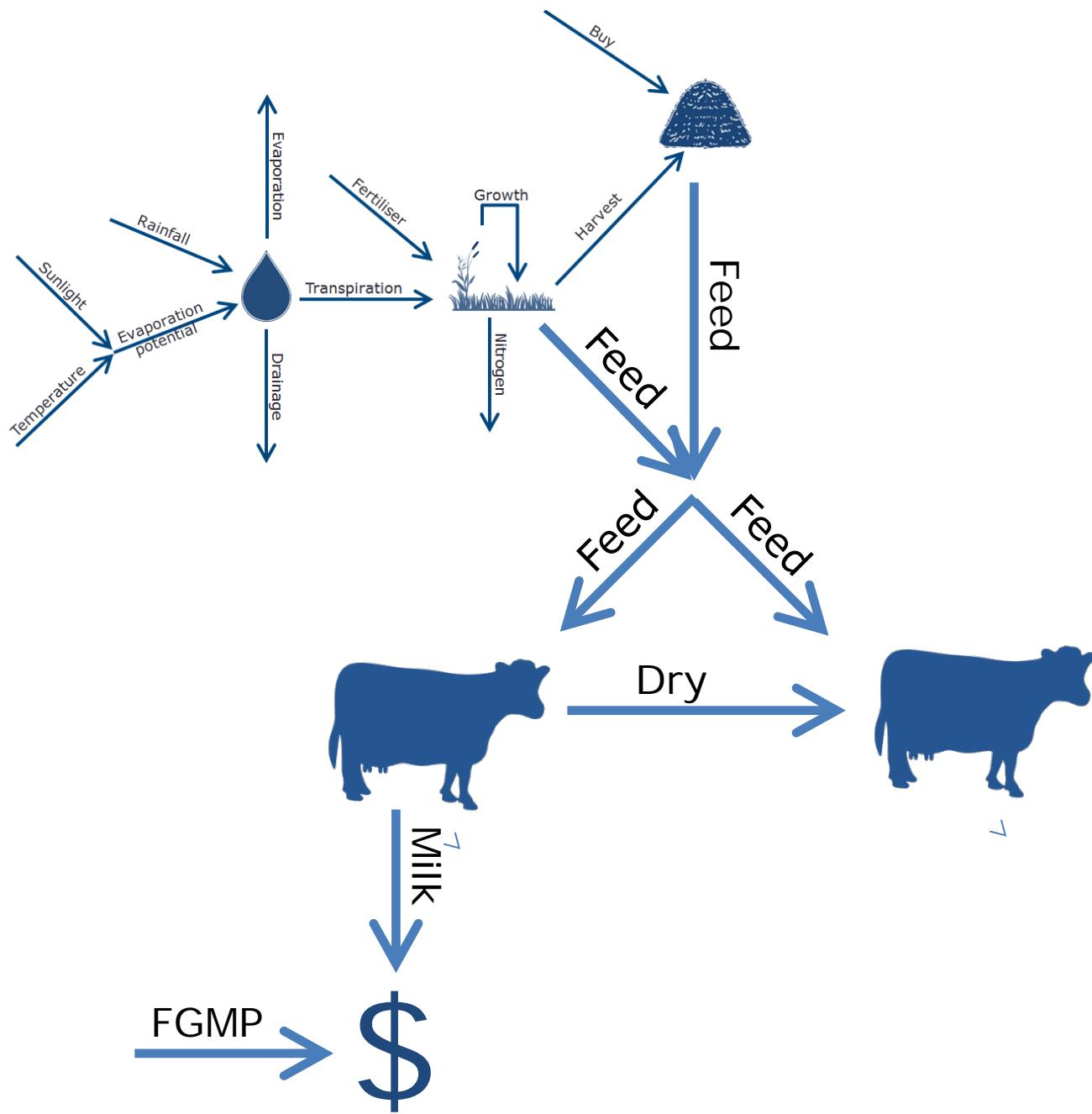
- Good payout forecast
- So maintained high stocking rate
- Reasonable feed stocks on hand so didn't buy more
- Wet year (2x avg. rainfall) left paddocks damaged
- Experience said: can't have bad Summer, Autumn, Winter AND Spring right... the sun will come
- Farm consultant's advice: "don't blink"

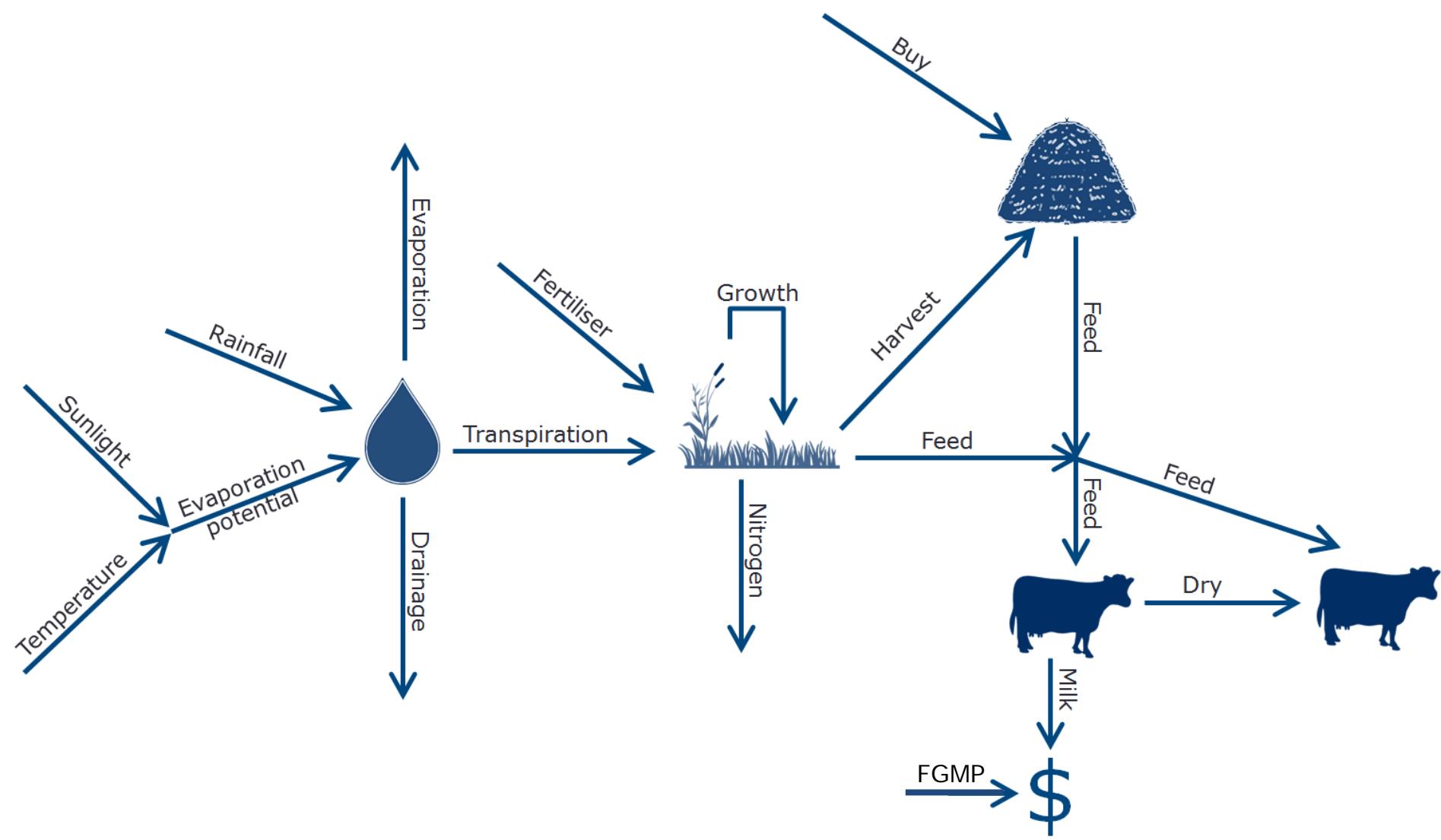
The **M**ilk  
**P**roduction  
**O**ptimiser incorporating  
**W**eather  
**D**ynamics and  
**E**conomic  
**R**isk

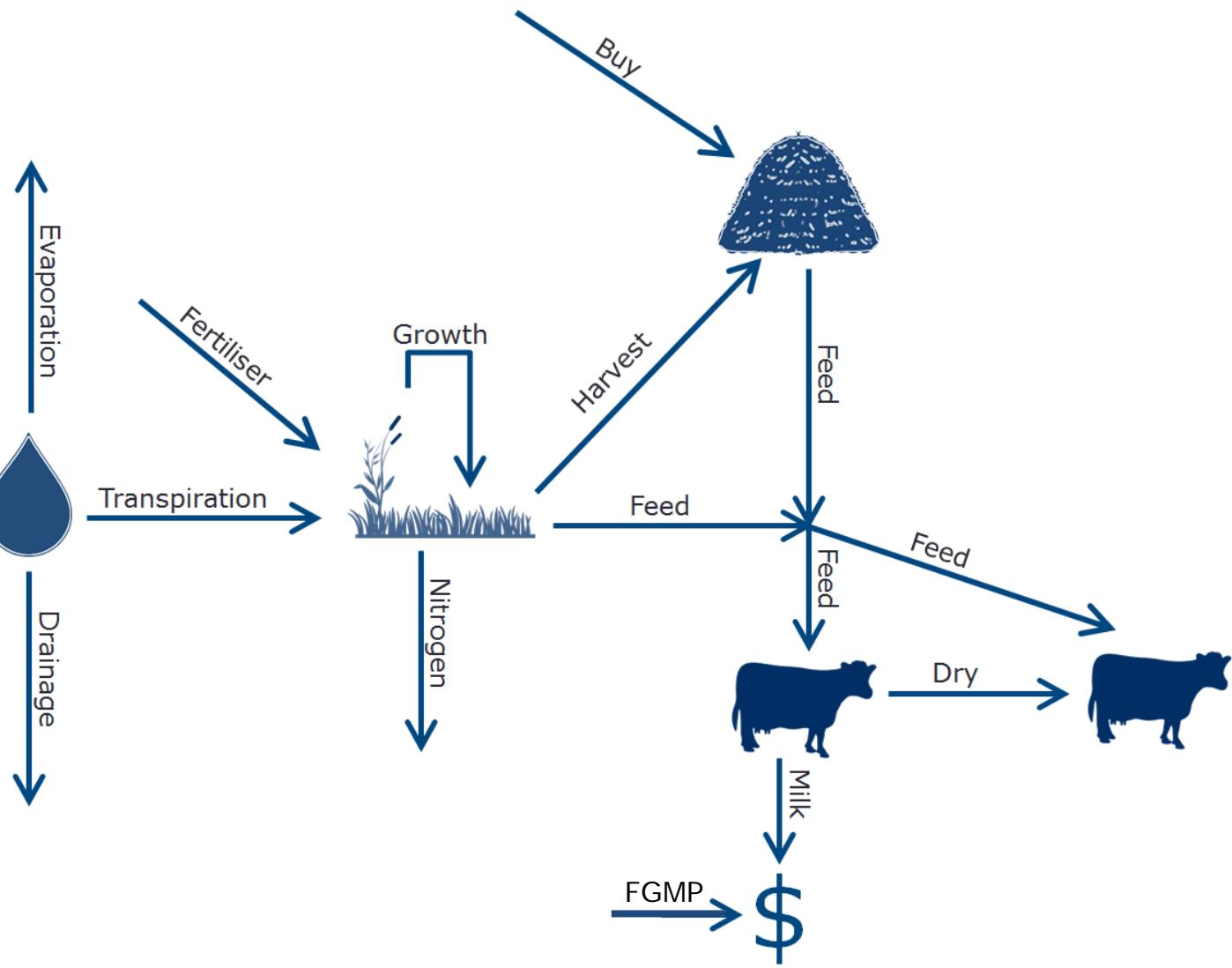
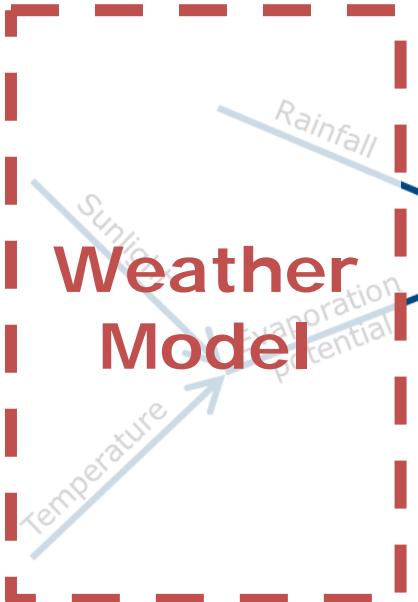


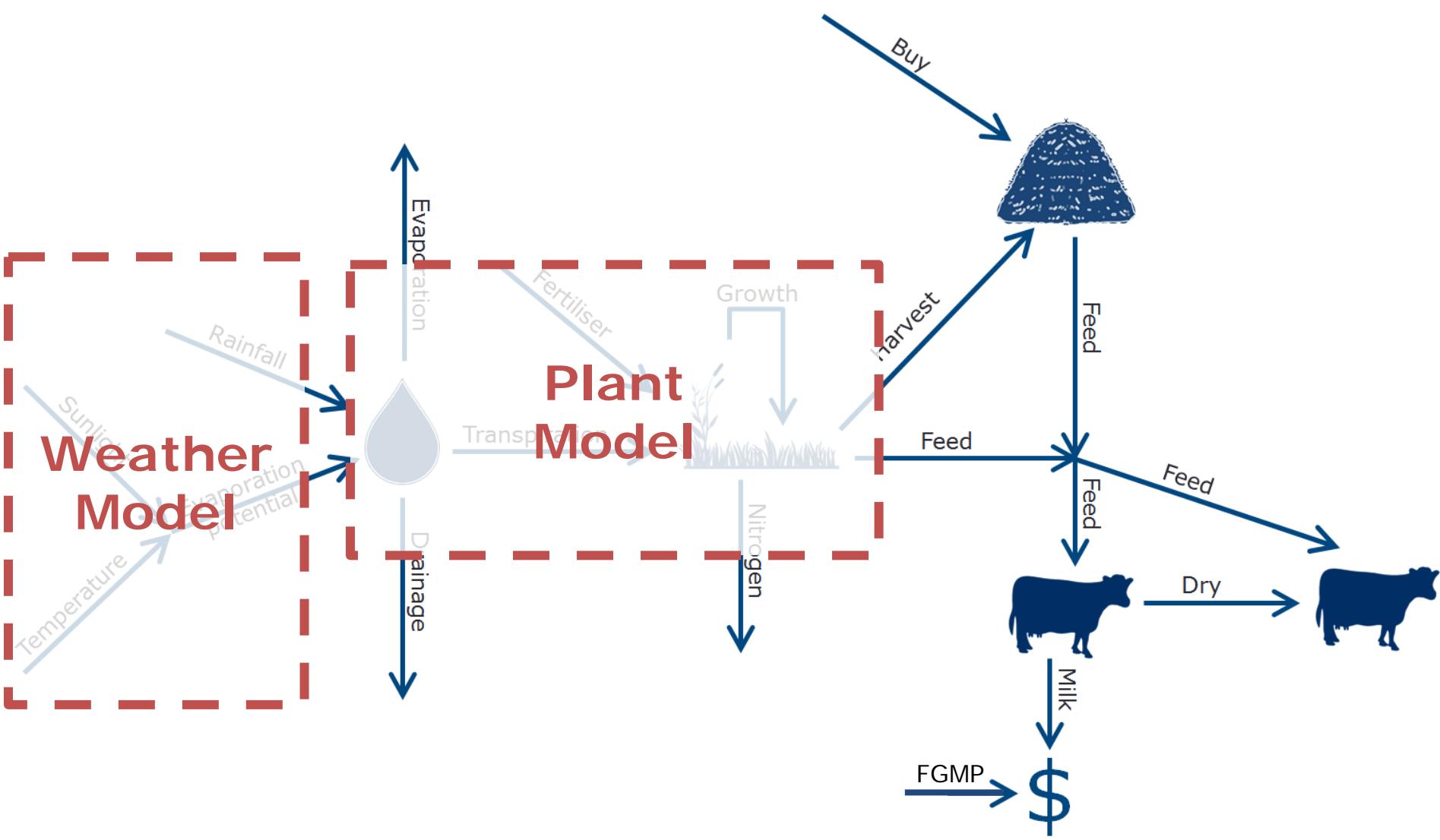


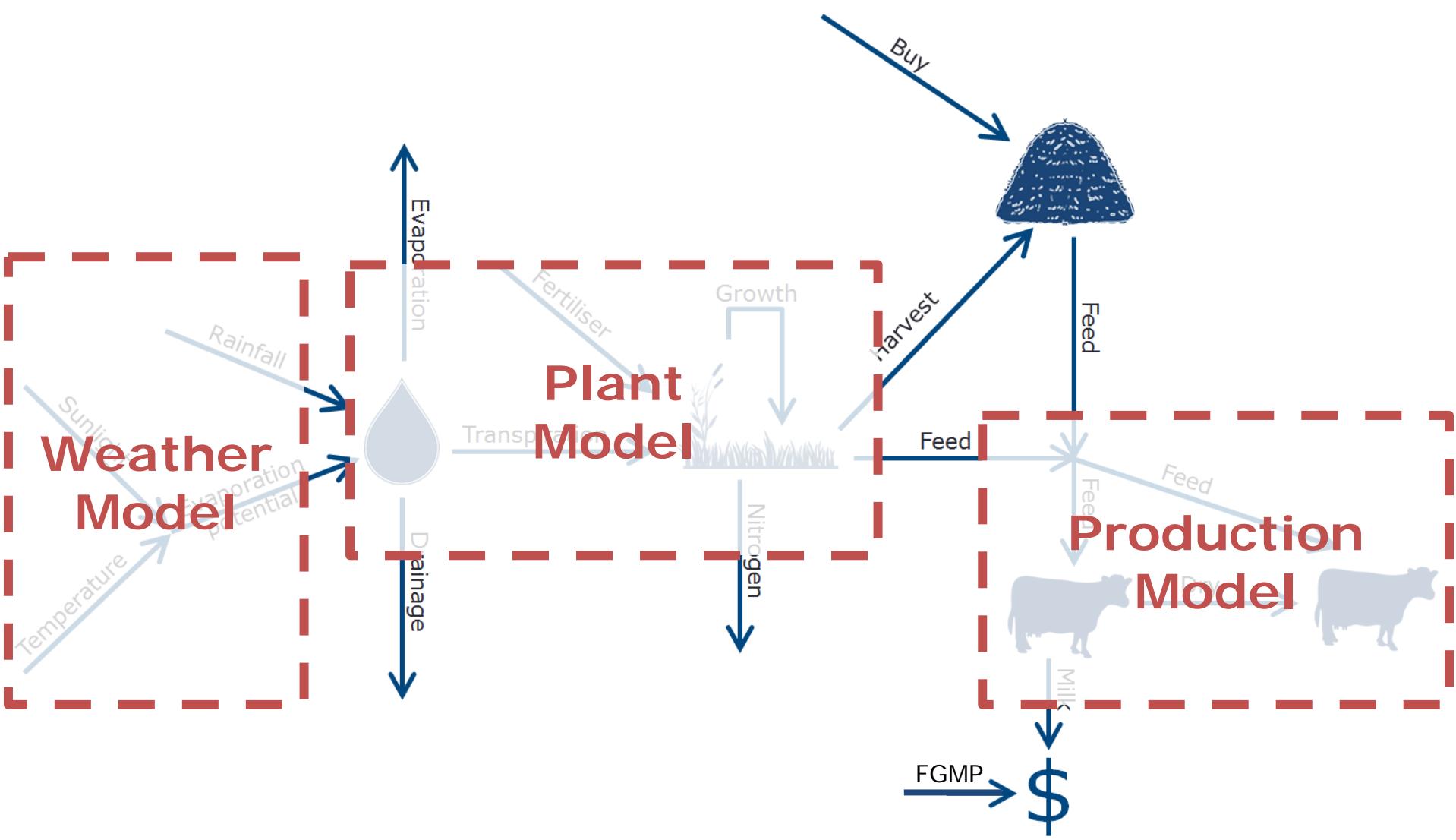


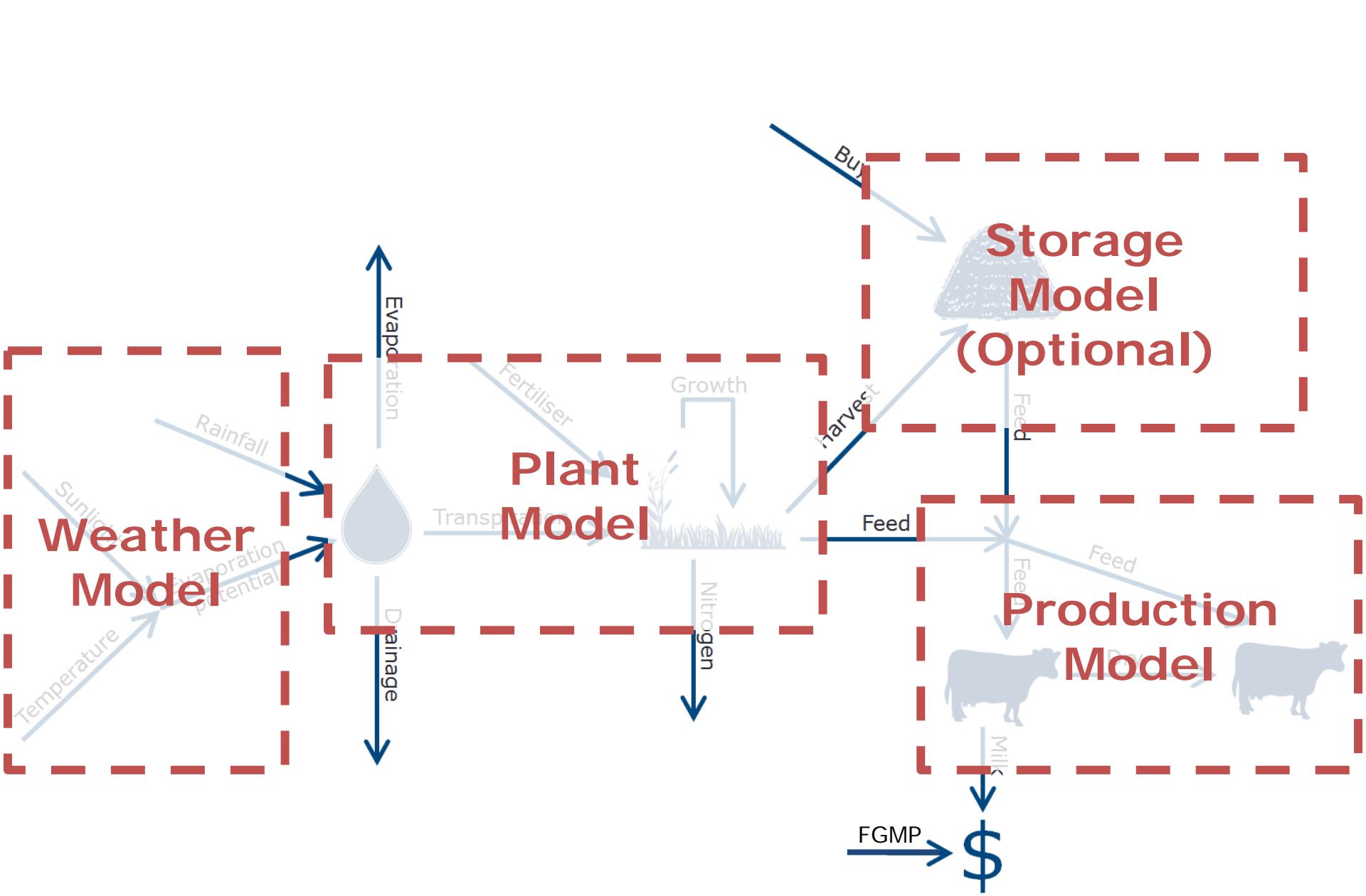


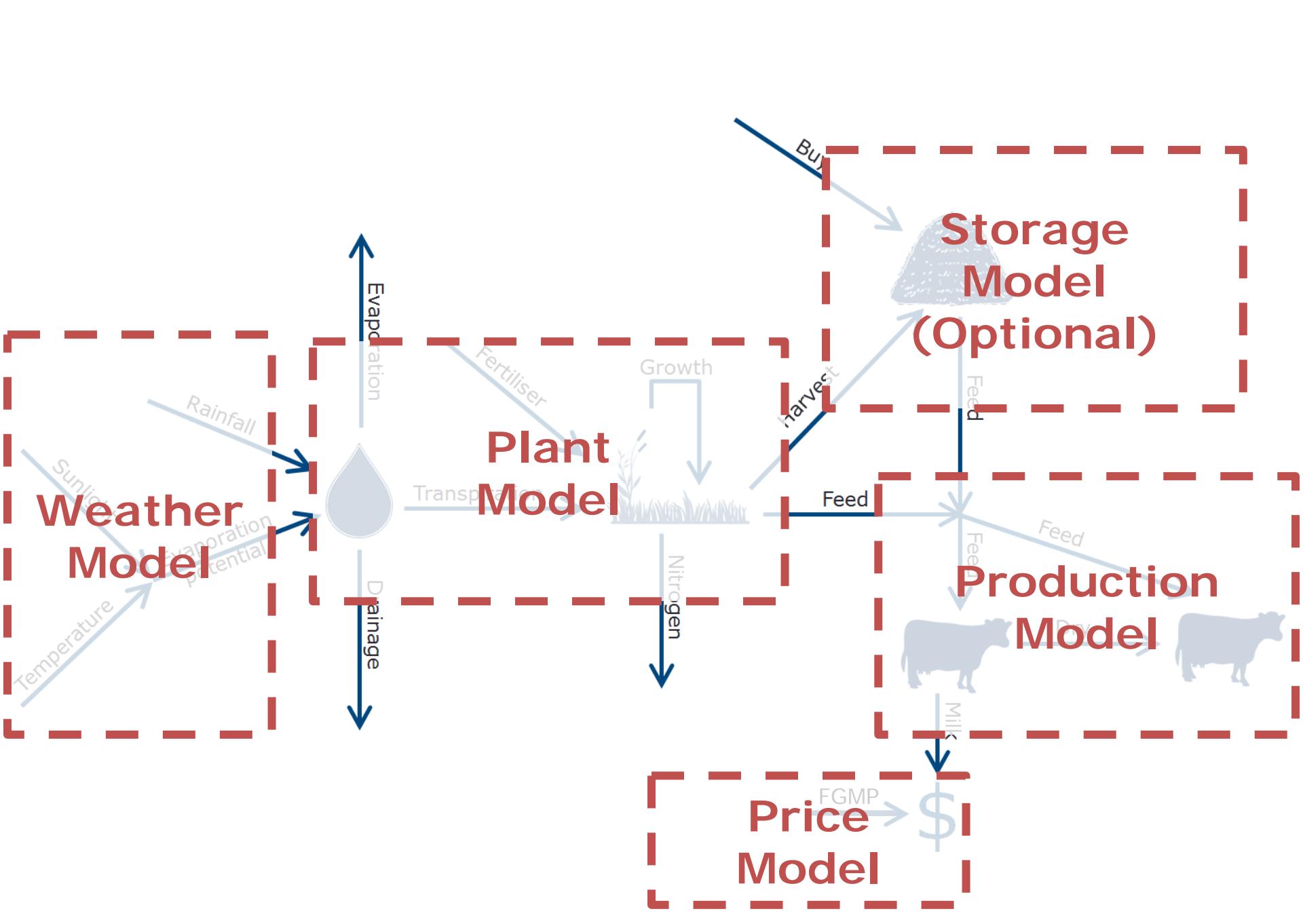








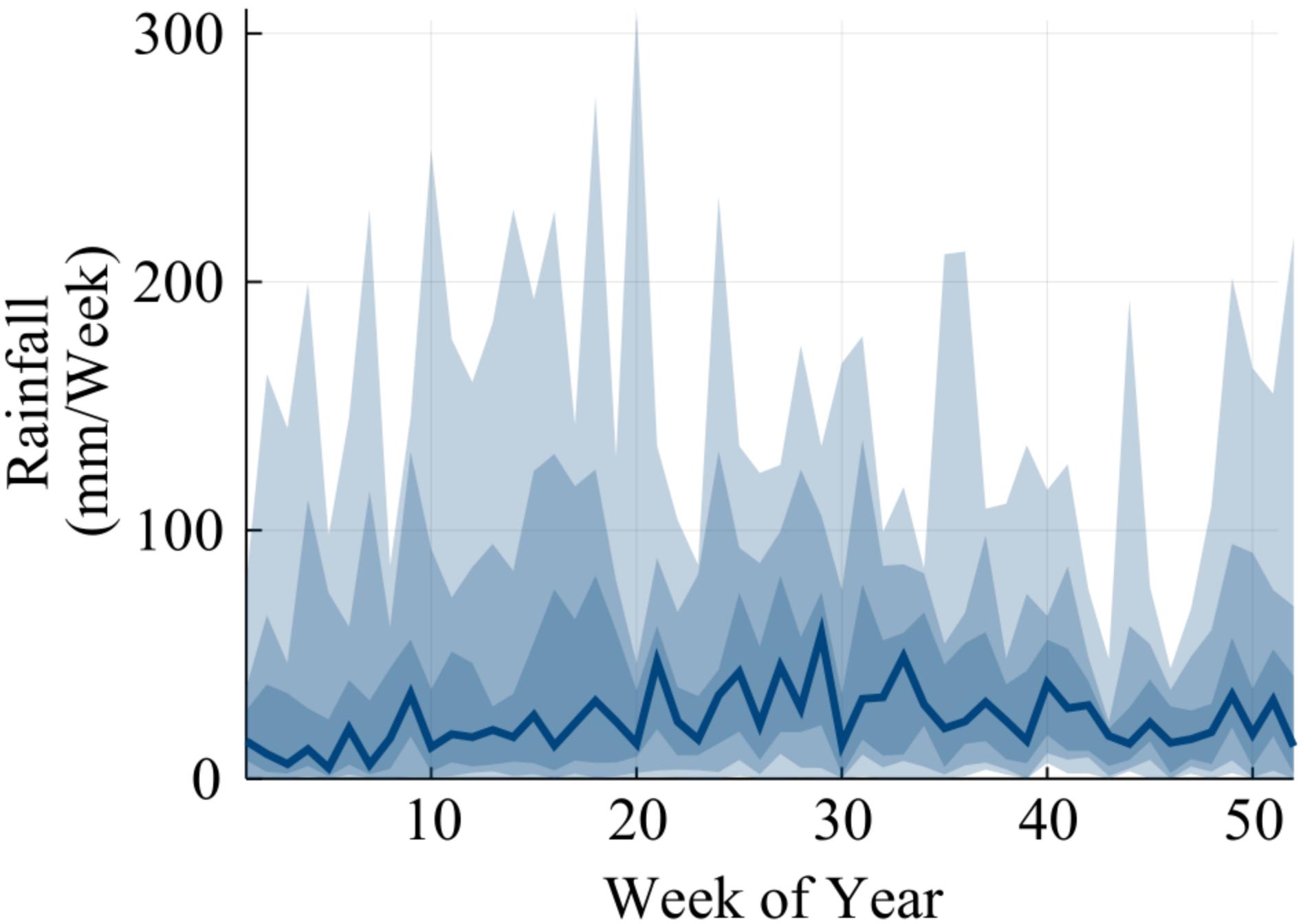


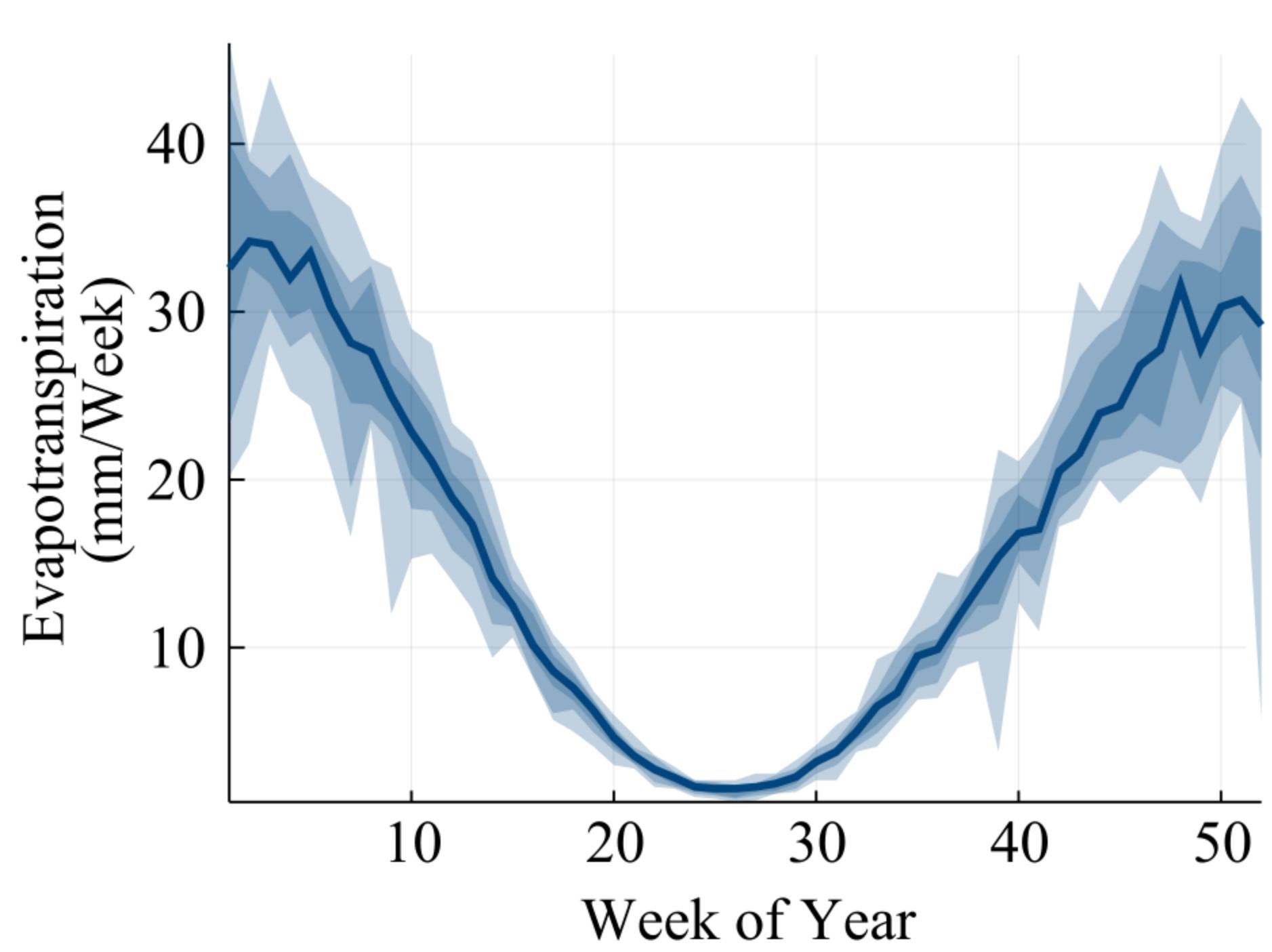


# **DOWSON-FARMS**

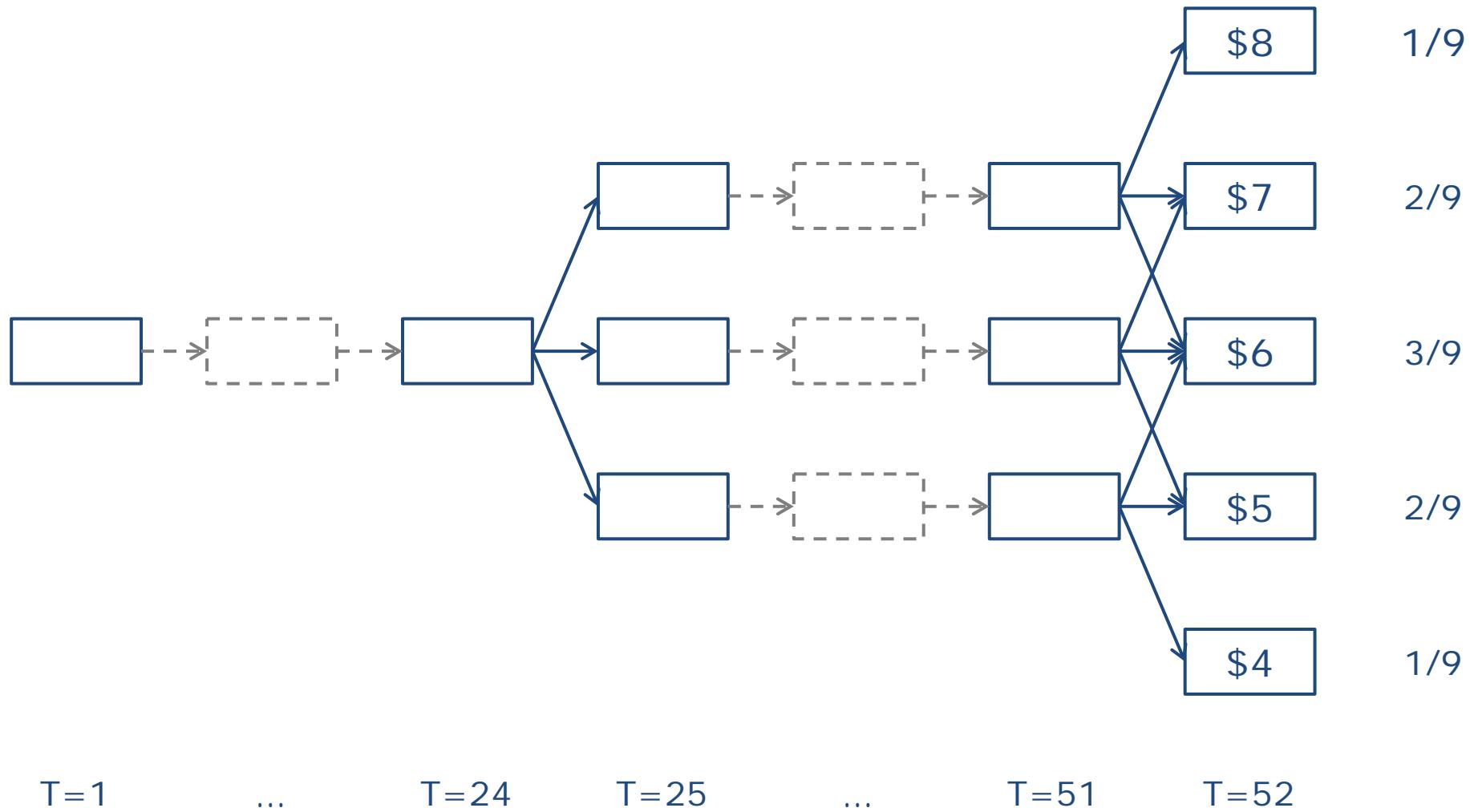
## A CASE STUDY

# HISTORICAL WEATHER DATA

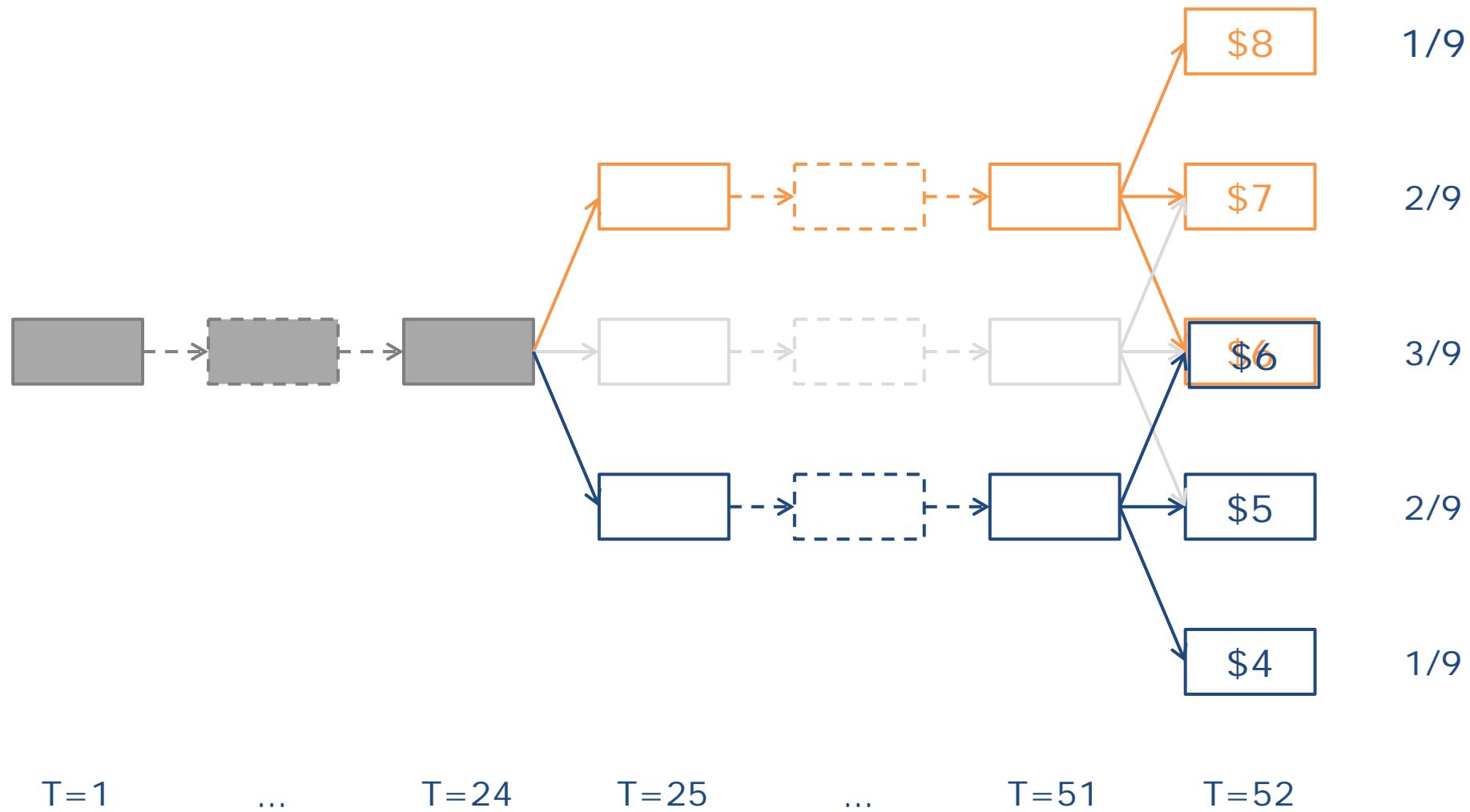




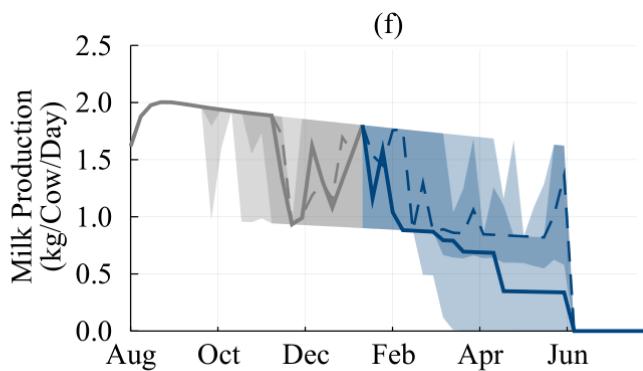
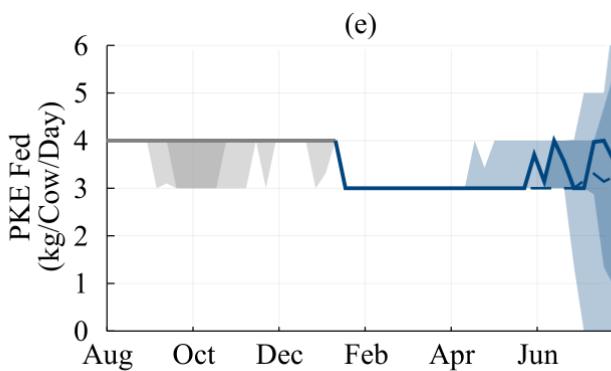
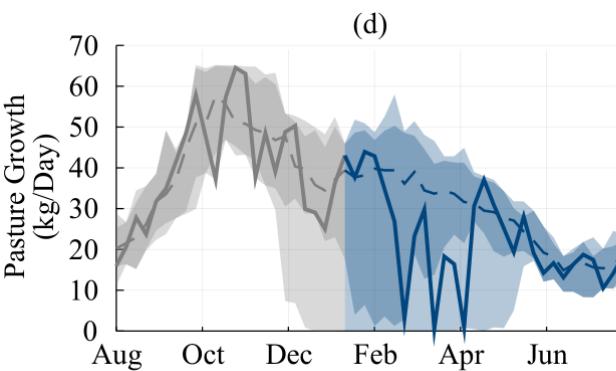
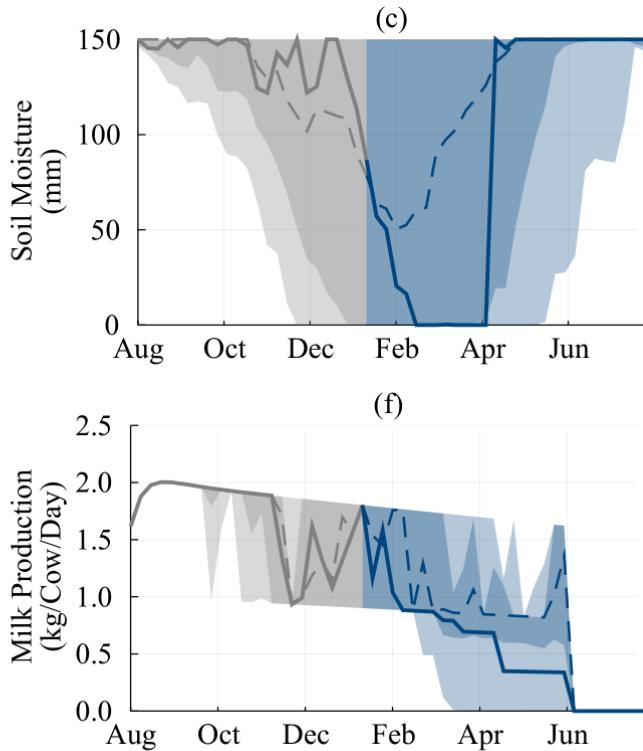
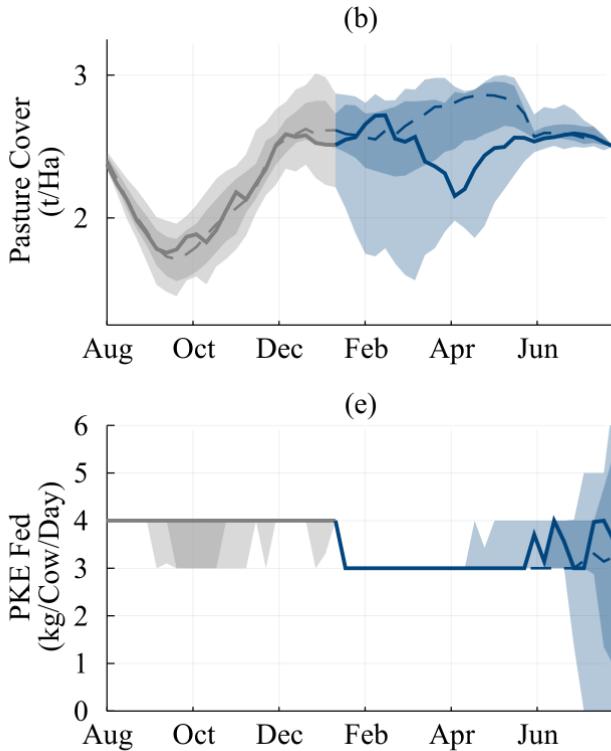
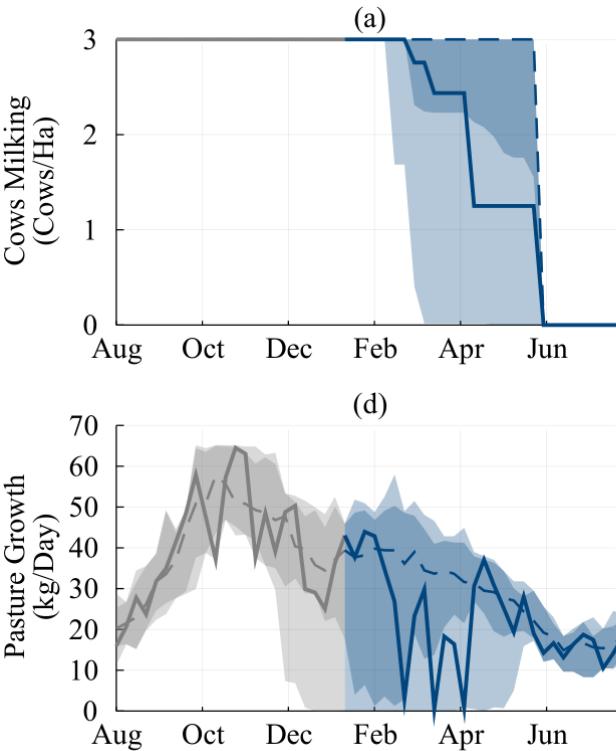
# **FORECASTING THE MILK PRICE**



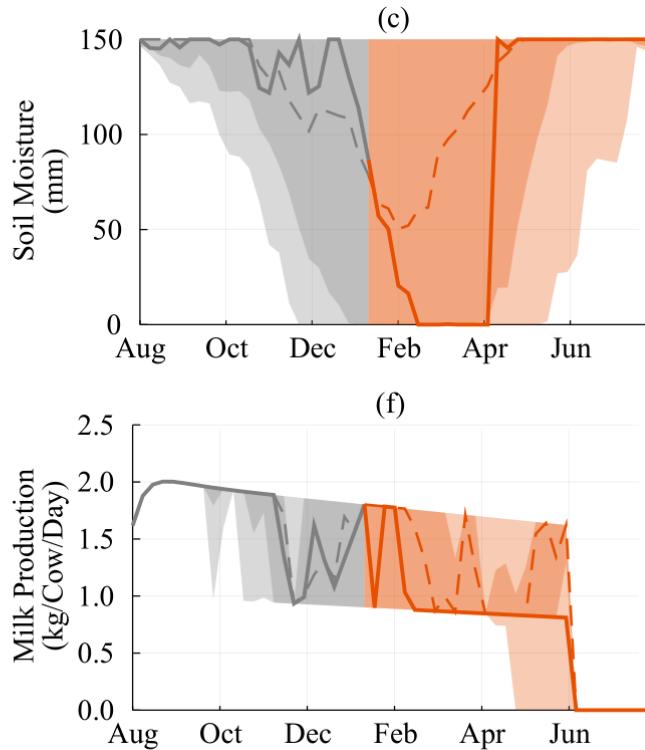
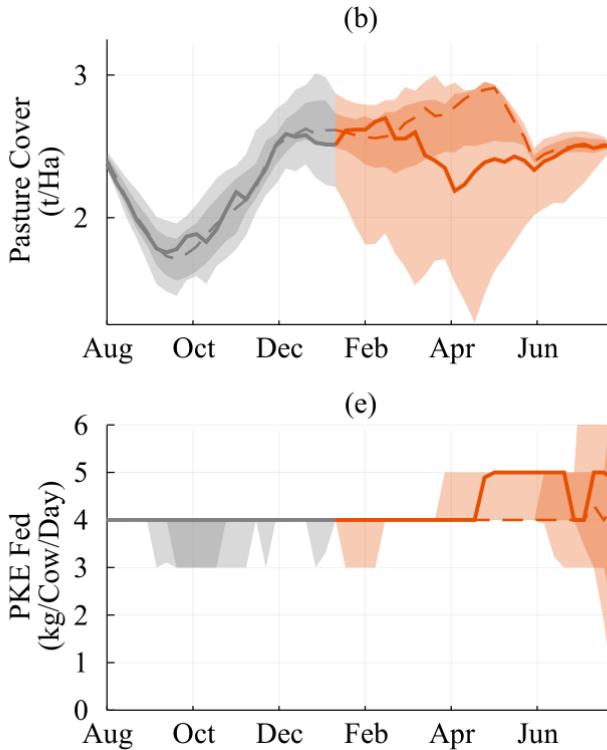
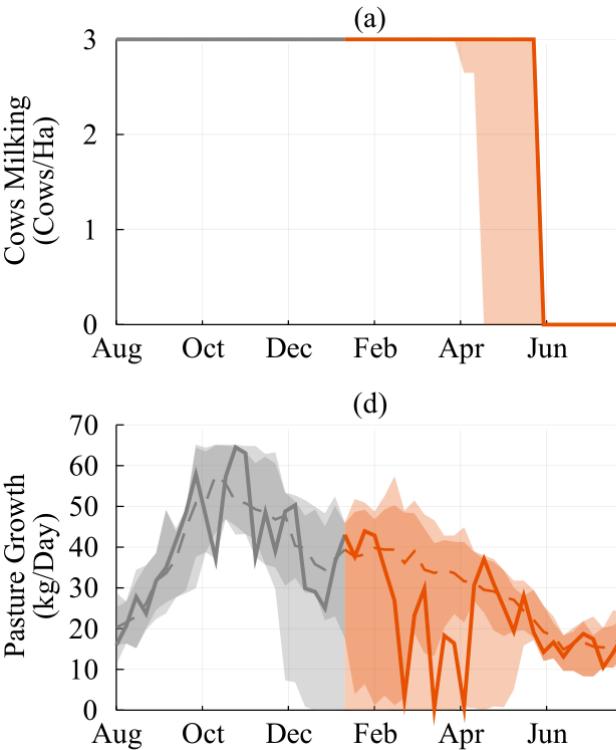
# **RESULTS**



# Low Price Scenarios

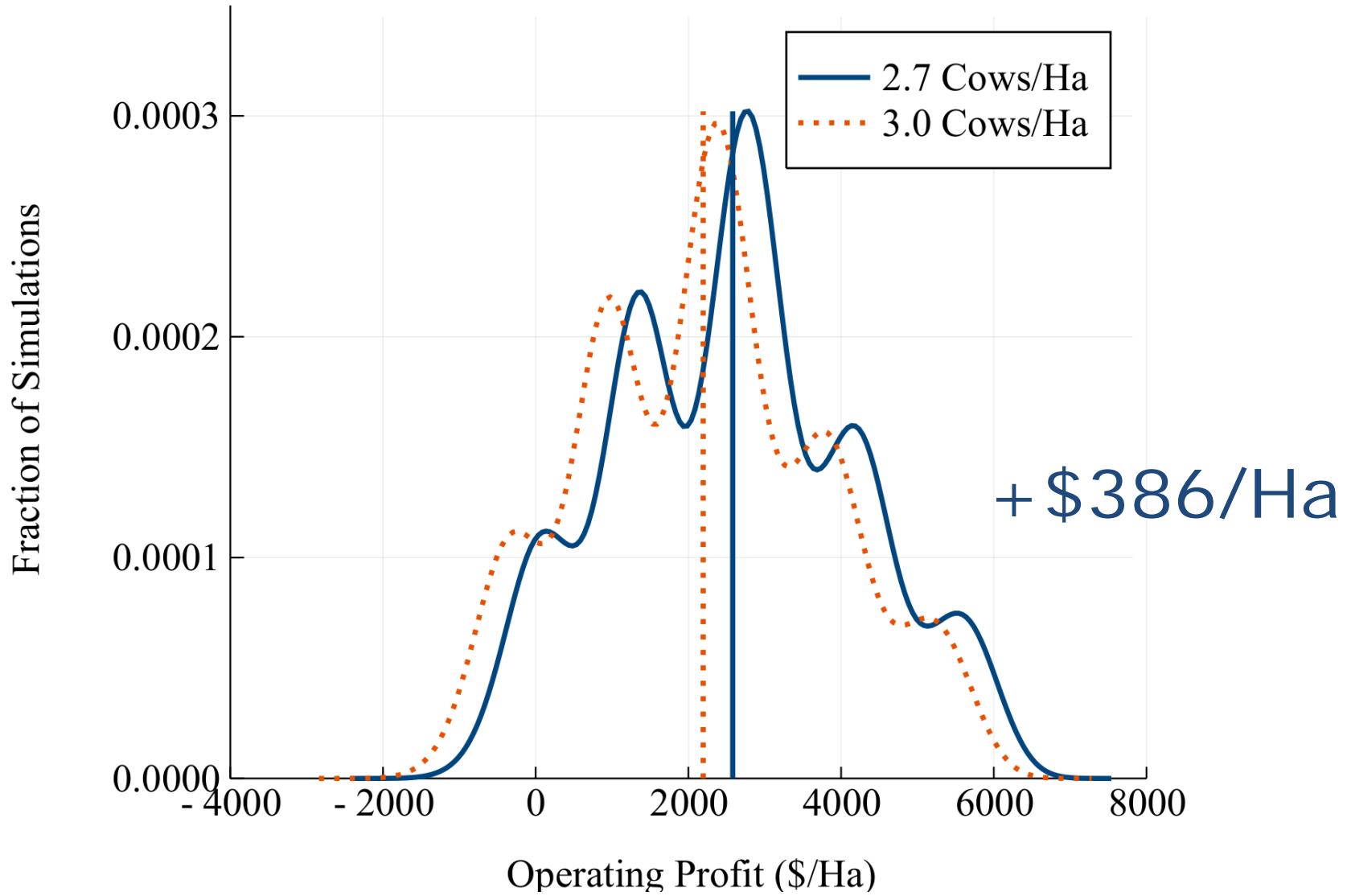


# High Price Scenarios



**CAN WE DO BETTER?**

# Lowering the Stocking Rate



# What next?

- A better price model
- A better weather model
- A better animal model
- Milk Price Futures
- Nitrogen
- Ability to sell/buy stock
- Sheep and Beef?
- Cropping?

