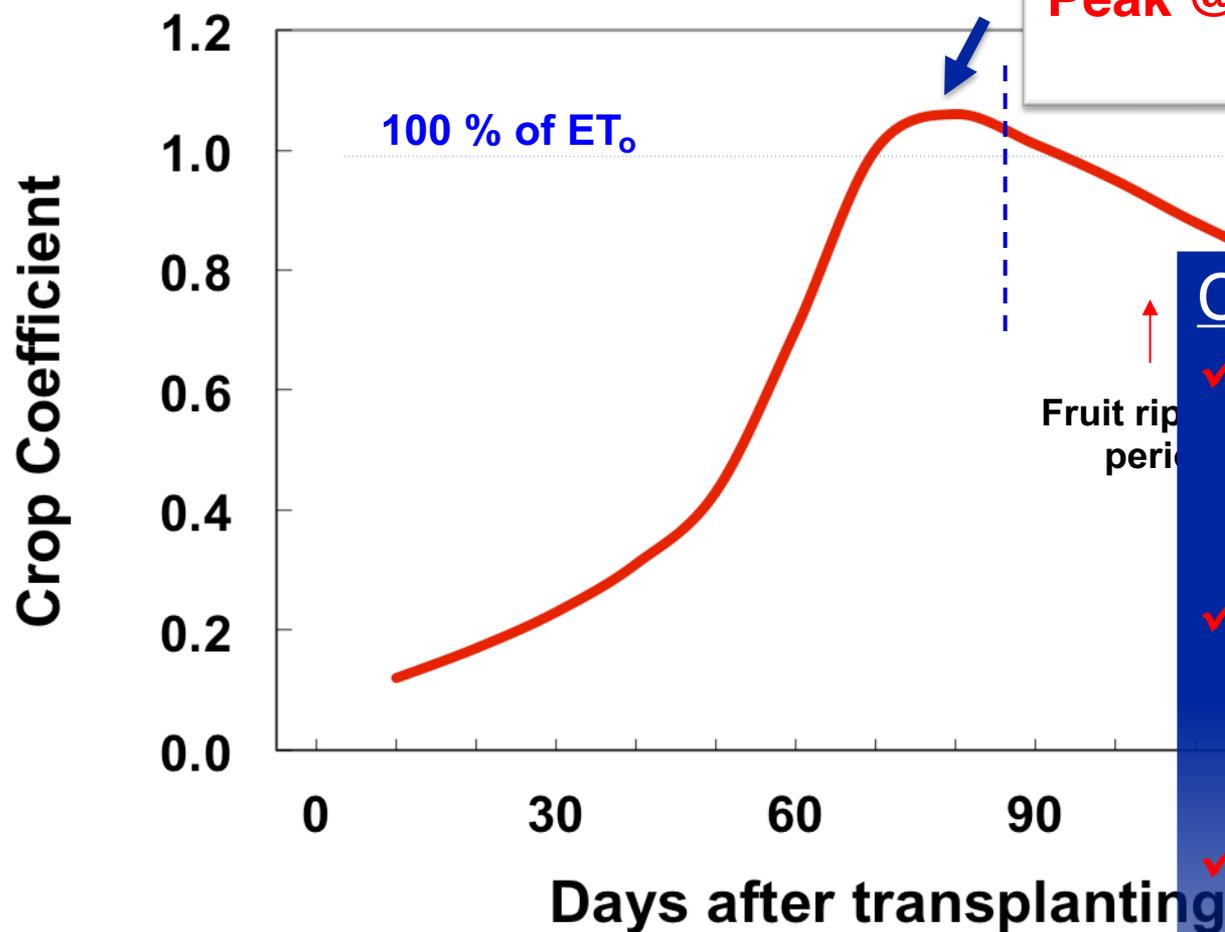


**Avoid moisture stress during sensitive
yield-impacting, plant-growth stages:**



flower set and early fruit sizing

For canning tomatoes, peak water demand prior to ripening:

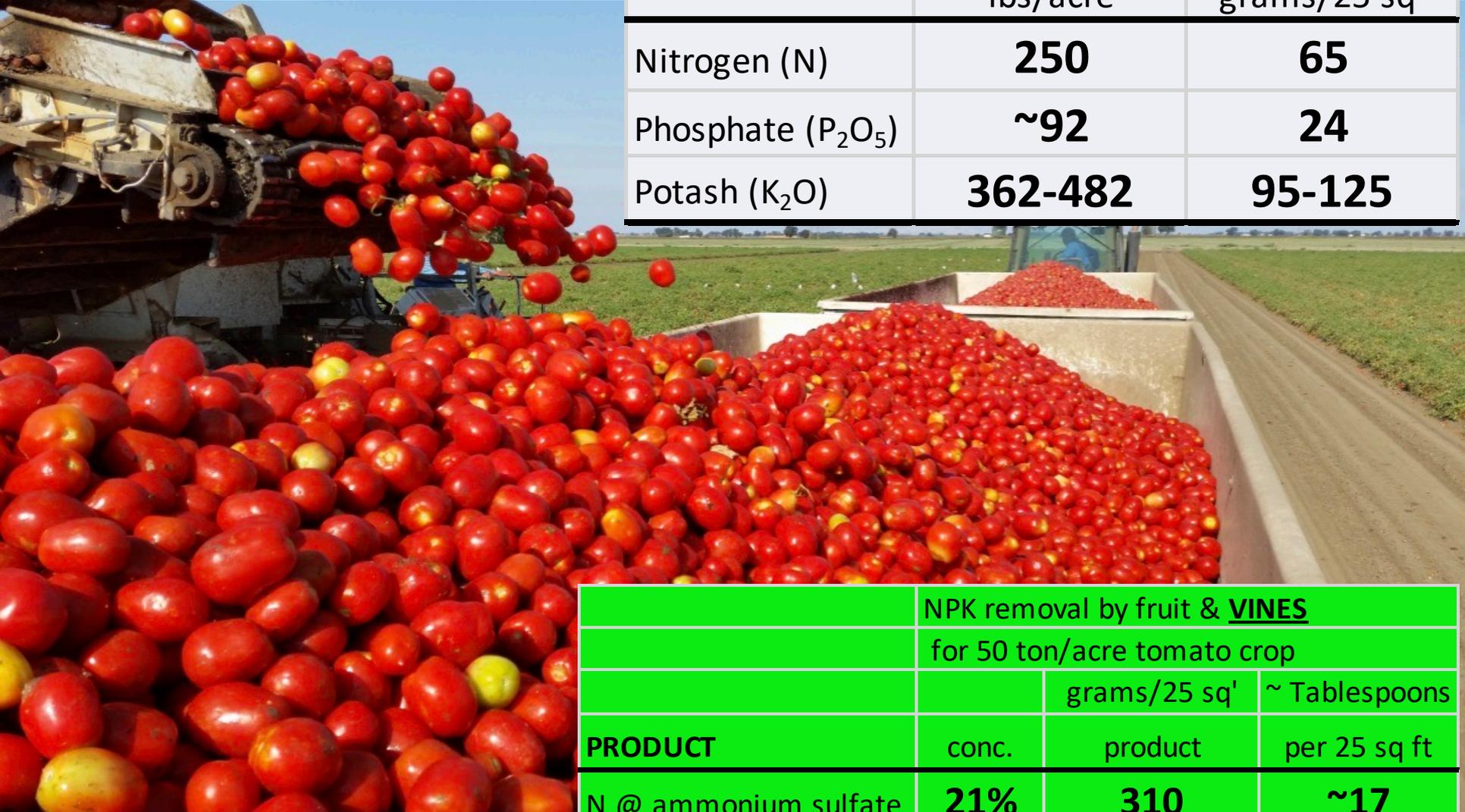


Peak @ ~5 gallons per day
per 25 sq'

Concept:

- ✓ Planting to ~45 days, water demand is low, but increasing.
- ✓ Demand increases & peaks with large vines @ fruit sizing
- ✓ Gradually lowers to ~80% of peak w/ first ripe & beyond

Generalizations: NPK



	NPK removal by fruit & <u>VINES</u>	
	(50 ton/acre canning tomato crop)	
	lbs/acre	grams/25 sq'
Nitrogen (N)	250	65
Phosphate (P ₂ O ₅)	~92	24
Potash (K ₂ O)	362-482	95-125

NPK removal by fruit & <u>VINES</u>			
for 50 ton/acre tomato crop			
		grams/25 sq'	~ Tablespoons
PRODUCT	conc.	product	per 25 sq ft
N @ ammonium sulfate	21%	310	~17
Ortho super-phosphate	20%	120	
Potassium sulfate	50%	90-250	



UC IPM

<https://www2.ipm.ucanr.edu/agriculture/tomato/>

UC Vegetable Crops Research & Information Center

<https://vric.ucdavis.edu>

Dept of Water Resources:
Reference ET information

<https://cimis.water.ca.gov/WSNReportCriteria.aspx>