

Roza Irrigation District Overview

- 72,000 irrigated acres over 95 miles w/ 450 miles of canals.
- Total crop value of \$1.5 billion +/- on mostly 2nd and 3rd generation family farms.
- 300+ miles of canals piped since 1983
- \$85M+ in water conservation (\$50M+ Roza funded)
- \$4.1M drought fund (now drained!)



Keechelus Reservoir at 5% Oct 2023



How it started...



How it went...



A picture is
worth...100,000
bins of Honey
Crisps!

Empty Canal in
May



Hops in the background



Yakima River Basin Water Rights



Roza and KRD are 100% Proratable Water after April 1



2024..An Unusual Irrigation Season...

- ✓ 10 Day System Shutdown in May...Zero Water!
- ✓ By June 1st as peak demand approaches most of the things we can do during the season have been done!
- ✓ Water supply forecasts have ranged from 72% in March to 47% in late June.
- ✓ There are significant hardships, and some effects won't be seen for months.



Pump back recovery of water



On-Farm Drought Management in 2024

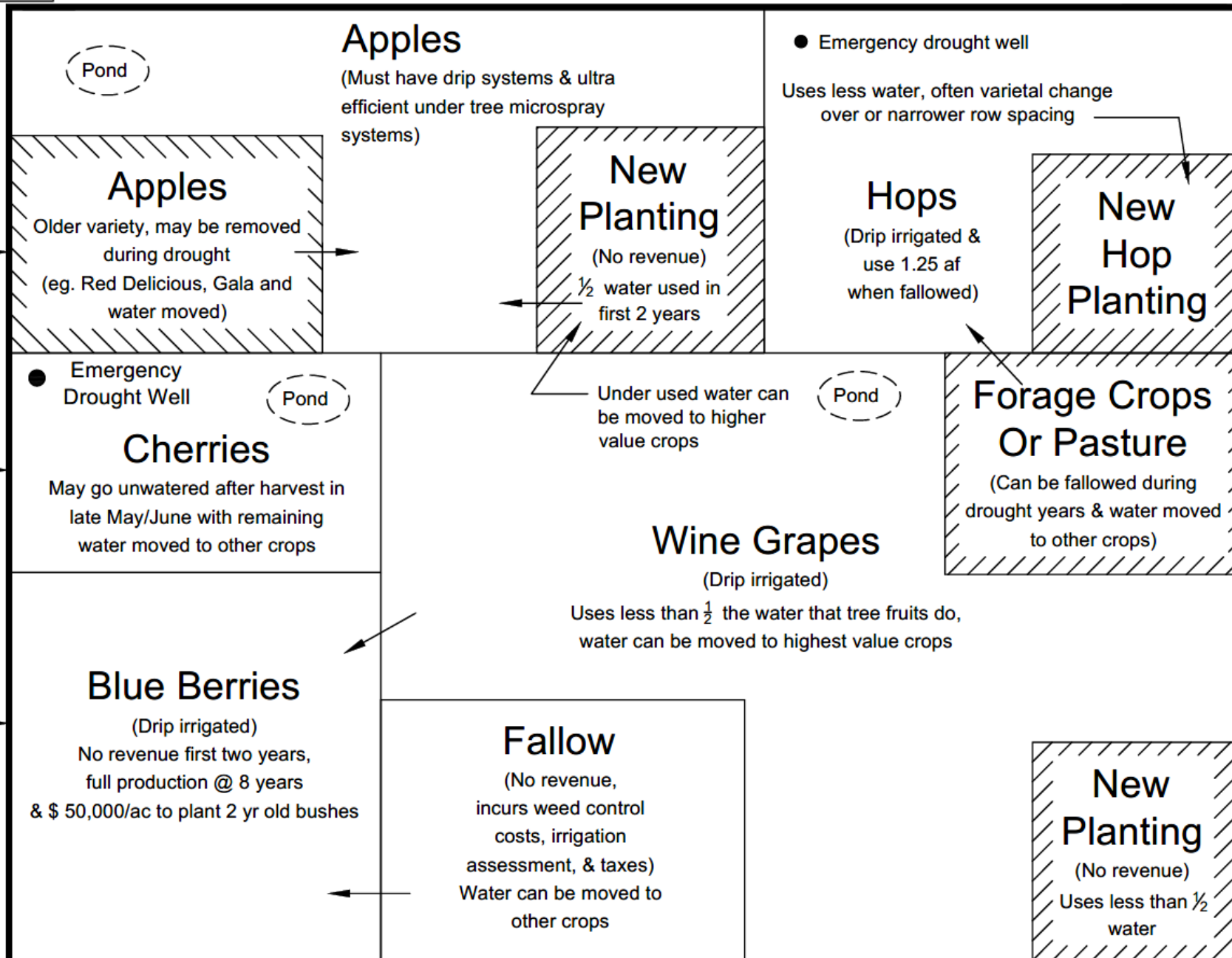
- ✓ Post-harvest fallowing of some crops
- ✓ Pooling of water between farms within the District
- ✓ Prioritization of the most valuable crops
- ✓ Leasing unused water from other water users
- ✓ Emergency well permits (90% are in Roza)





Example Roza Farm - Drought Management

Transfers in From Other Roza Water Leases



Fallowed
Hops .. still
need water!



Drought prep at Roza NEVER stops!

Since the 2015 Drought:

- ✓ Piped 70+ miles of canals (\$19M Roza funds)
- ✓ New re-regulation reservoir on-line in 2017 (\$31M)
- ✓ \$1M+ in sealant applied to concrete lined canal sections
- ✓ 7,000 acres of drip irrigation conversions



La Nina brewing???...2025 might be worse...

- ✓ Water leases
- ✓ Cloud seeding
- ✓ Piping 5 miles of canals
- ✓ Relentless planning to optimize operations during shortages
- ✓ Don't forget fish and wildlife impacts
- ✓ Emptied Roza's \$4.1M drought fund!

Roza acted early!!

