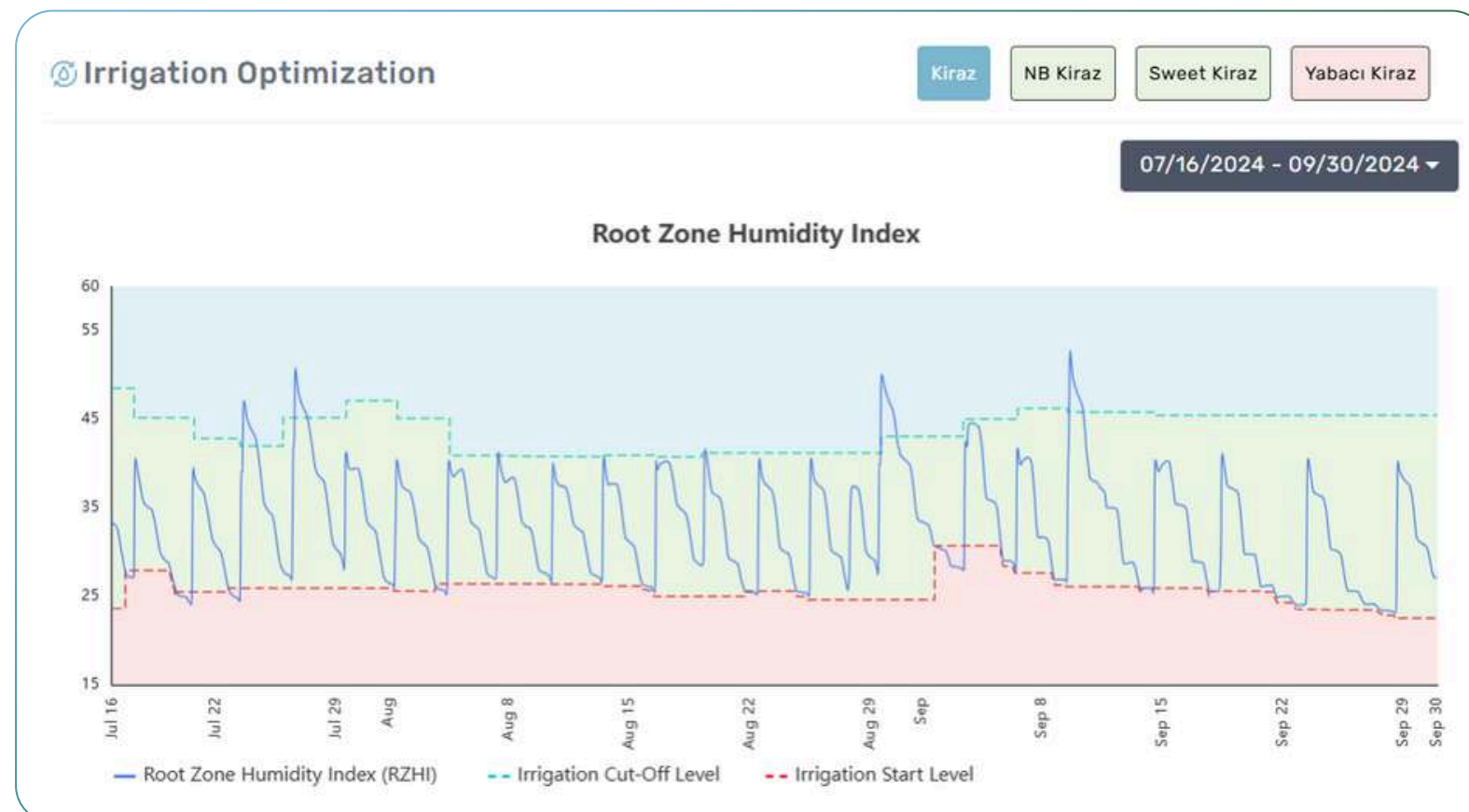


# Precision Irrigation Management in Cherry Orchards

Our cherry farmer optimized irrigation in their orchard, reducing water consumption while improving efficiency.

In the previous season, **irrigation lasted an average of 5 - 5.5 hours**. After conducting analyses and implementing optimizations, the **irrigation duration was reduced to 4.5 hours**. By accurately analyzing root water uptake and moisture index, water was supplied only as needed, preventing unnecessary water usage.

Thanks to this optimization, the grower **achieved 20% water savings**, significantly reducing irrigation costs. Additionally, the improved irrigation strategy led to a **13% increase in yield**.



**13%**  
**Crop Yield**  
**Increase**

