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## “Reading your Pre-Harvest Results”

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### % DRY MATTER

LOW ↓ Dry matter will rise as the season goes on. Usually, it flattens 1-2 weeks before peak harvest. Your hops need more time.

HIGH ↑ If your hops are above the limit for dry matter, then they are past the peak window, harvest as soon as possible.

✓ **Check your % Alpha/Beta & % Cohumulone**

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### % ALPHA/BETA

LOW ↓ Alpha & Beta acids will rise as the season goes on. Your hops may need more time. *The exceptions are: plants stressed with disease, lack of nutrients/water, or they are first year plants. Betas will be lower for farms at lower latitudes. **If your Dry Matter is at the higher end of the range, it is possible you're past the window.***

HIGH ↑ If your hops are above the limit for alpha, that's fine, your customer will just use slightly less. You likely are at the alpha peak “apex” & in the harvest “**window**”

✓ **You are in the harvest “window”**

*Note: properly dried and/or pelletized your hops, these should be close to your final packaged label/Brewer's values.*

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### % Cohumulone

LOW ↓ Likely this means your hops need more time.

*The exceptions are: If your farm is at lower latitude, then % cohumulone should be close to the low end of the varietal range. This is very common in Ohio, Indiana, Virginia, Kansas, Illinois, Nebraska & Pennsylvania.*

High ↑ Possible that your hops are past the harvest window, in several varieties the % cohumulone will drop as the harvest window nears. This has been observed in Willamette & Chinook, and some noble varieties.

✓ **You are in the harvest “window”**

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**Additional Notes: If your Alpha/Beta & Cohumulone are in range, but dry matter is just low, you are very close to the harvest window.**

**If Dry Matter & Alpha/Beta are in range, but cohumulone is not, you are likely in the “harvest window” and regional differences could account for differing cohumulone.**