



<b>GreenGate Fresh Crop Report</b>	
<b>Report Date</b>	3/7/2023
<b>Growing Location</b>	Yuma, AZ

## **Overview**

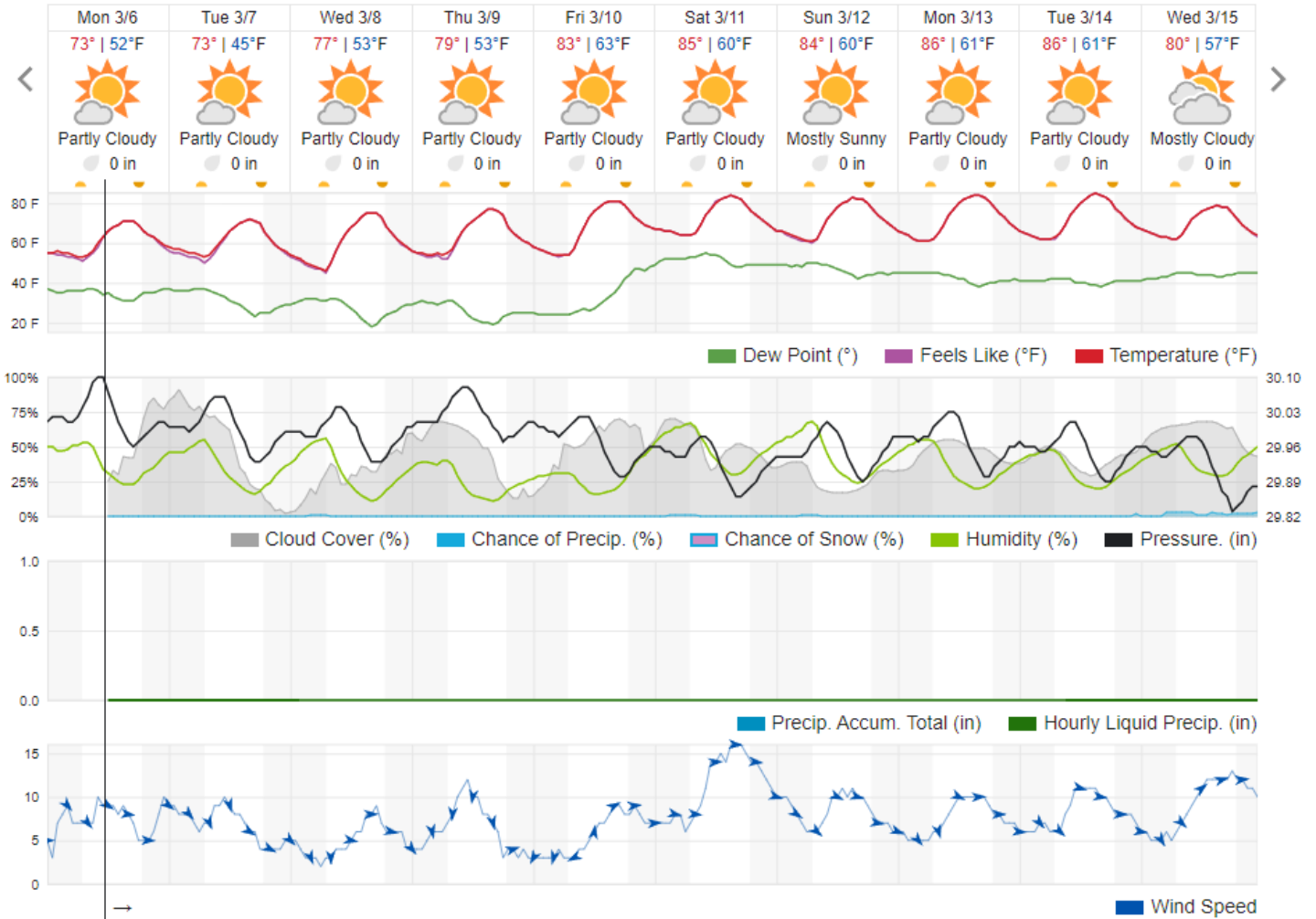
- There have been some large weather fluctuations here in the Yuma area the past few weeks. We have had a few warmer days (mid-80s) followed directly by overnight freezes, and numerous days of wind speeds upwards of 30mph. All of this has direct links to product quality, harvest timing, and product availability. The end of this week will be bringing warmer than usual temperatures here in the Yuma growing region, which may affect quality in the coming weeks.
- On the topic of unusual weather fluctuations...if you are not already aware, the major flooding California experienced had a direct impact on all Ag processors. We planted a little later than usual due to some of the growing fields being flooded. Now that we have started planting for the transition the end of April, the weather in the Salinas valley is due for more rain. We do not expect it to have a big impact on crop growth, however I wanted to get the information to you sooner rather than later in case of any changes during the transition.

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## Future Weather Outlook (Yuma, AZ)

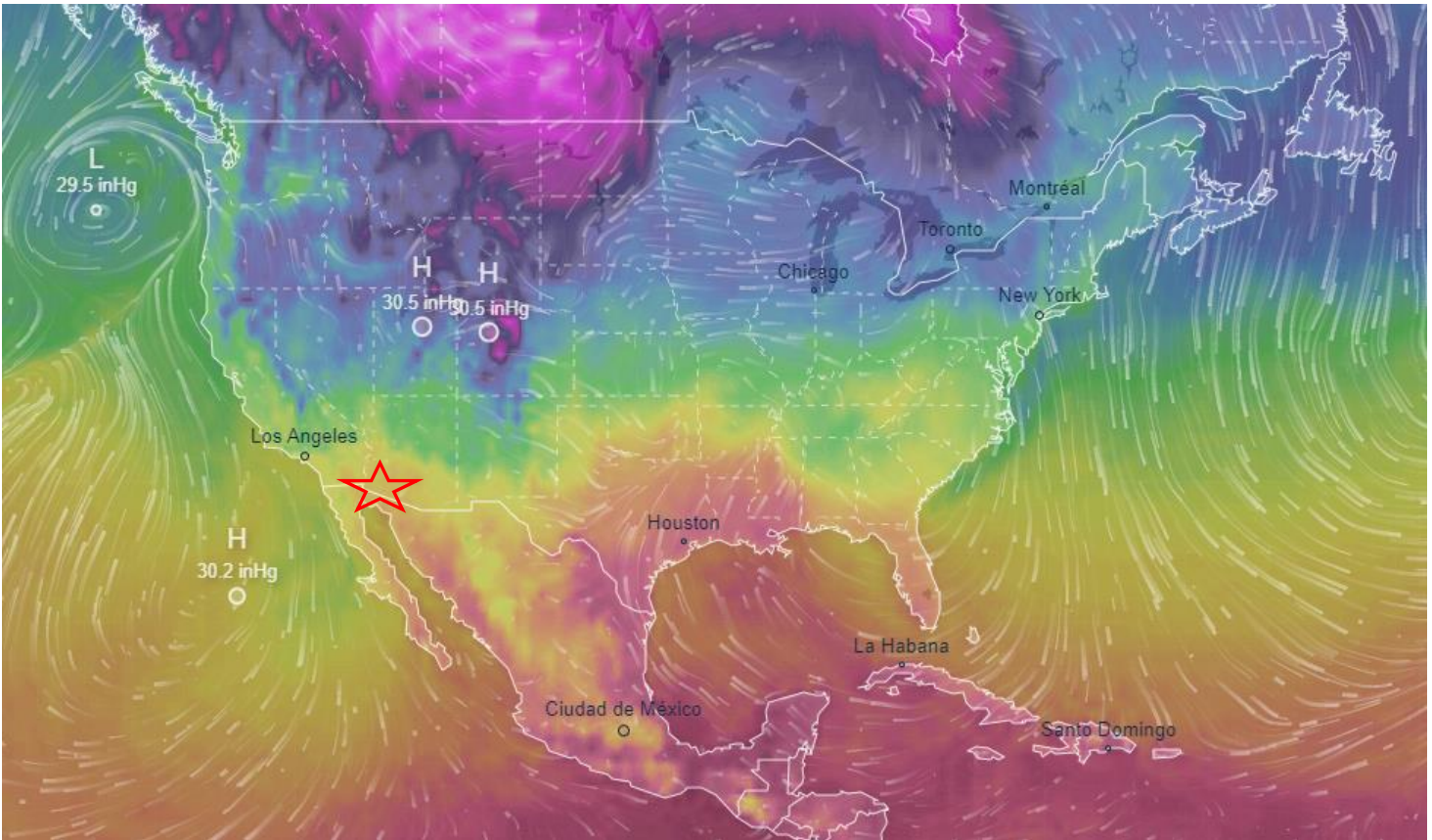


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## North America Temperatures – Monday 3/6/2023



### Crops Covered This Month

- Iceberg
- Romaine
- Spinach
- Arugula
- Cabbage
- Mature Kale
- Broccoli

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## **Iceberg**

We have been experiencing some minor epidermal peel and some minor fringe burn on the outermost cap leaves of the iceberg heads. These defects will remain in the field during harvest by the harvest crews. As we move into the spring in Yuma and the temperatures continue to increase, overnight freezing conditions will slow but we will continue observing the fields. We have not encountered any other issues or defects with the iceberg at this time.



**Iceberg field in Yuma, AZ**

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**Heads continue to be small**

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**Heads have short cores, and compact heads**

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**Internal quality looks very good**

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## **Romaine**

Just like the iceberg, there are some fields which are showing *minor* epidermal peel on the outer leaves which will be removed during harvesting. We will continue to keep a close eye on both commodities as we enter next weekend when temperatures are expected to hit the low 20's and will update you all on any changes we observe, however we do not anticipate drastic quality decreases.



**Romaine field in Bard, CA**



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**Heads are fluffy**

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**Split and cored romaine heads**

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## **Spinach**

Spinach quality has remained optimal over the past month, and we expect it to remain the same as we enter March. We had some larger than average spinach on a few fields, but other than that, sizing has not created any widespread issues, or continued for more than a day or two. We will update everyone if there are any changes. We have not encountered any other defects or quality related issues in spinach so far. As the temperature increases, we will look out for any discoloration that may present itself. No insect damage or soil related disease have been noted.



**Spinach beds in Somerton, AZ**

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**Healthy looking spinach beds with great color**

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**Spinach continues to have consistent leaf sizing**

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## **Arugula**

We have been fortunate to have the arugula quality remain on our side for several months now. It has remained a great quality item we have not had any issues with. We have had some younger beds being harvested to accommodate orders, which may have given way to smaller than usual product, however that deviation has not continued. We do not anticipate any quality issues to arise in the coming weeks. Insect damage or soil related diseases have not been present so far.



**Arugula field in Somerton, AZ**

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**Arugula has great coloring**

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**Leaf length continues to be consistent**



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## **Cabbage**

The cabbage quality in the Yuma region usually gives exceptional quality given the growing climate. As the temperature continues to climb throughout the remainder of the season, the one quality aspect we will continue to monitor closely is insect damage. Up until this point, we have no observed any other diseases or defects, but will update everyone if there are any changes.



**Cabbage field in Yuma, AZ**

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**Cabbage heads in the field are very large**

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**Heads are larger and have lighter green coloring**

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**Heads are very dense, and cores are very long**

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## **Mature Kale**

One of the main quality concerns we have with the mature kale as the season continues, is yellowing of the leaves as the temperatures increase. We have encountered this a little bit already and are mitigating this with additional inspection. We will continue to keep an eye on discoloration and any insect (aphid namely) damage that may emerge as the temperatures increase in the area. No other diseases or defects have been observed.



**Kale beds in Somerton, AZ**

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**Leaves are more curly than last month**

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**Great quality kale**

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## **Broccoli**

The broccoli quality has remained high so far this season as we have not encountered any diseases or defects in this commodity. The usual culprits of broccoli are discoloration and insect damage, neither of which has presented in the fields thus far. We anticipate this may become an issue as the temperatures increase, these may pose an issue, but we will continue to keep an eye on any changes that may occur.



**Broccoli field in Somerton, AZ**



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**Broccoli heads have consistent sizing**

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**Broccoli crowns have great green coloring**

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**Split head showing good internal quality**