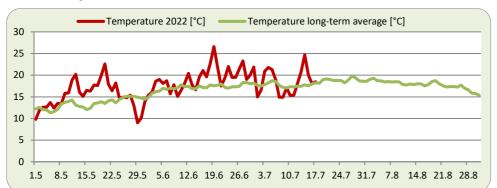
Report on Weather and Hop Growing Conditions: Week 28



Report Period: July 11, 2022 - July 17, 2022

HALLERTAU



| | ■ P | recipita | ation 2022 [| l/m²] | ■ Pre | ecipitation long- | term ave | rage [l/m²] | | |
|-------|------------|----------|--------------|-------|-------|-------------------|----------|-------------|------|---|
| 120 - | | | | | | | | | | |
| 100 - | | | | | | | | | | _ |
| 80 - | | 94 | | 89 | 101 | | 101 | | 98 | |
| 60 - | 67 | | | | | | | | | _ |
| 40 - | | | | | - | | | | | - |
| 20 - | | - | | | | 6 | | | | |
| 0 - | | | 1 | | | | | | | |
| | M | ay | | Ju | ne | | July | Aug | gust | |

| Variety | Comment | Development |
|-----------|----------------------------|-------------|
| Tradition | Flowering | - |
| Perle | Flowering | - |
| Magnum | Flowering | - |
| Herkules | Flowering / head formation | -/o |

Comments: A warm summer week without precipitation is behind us. All varieties are in the stage of flowering to full bloom, some early ripening varieties are already in the stage of cone set. This means the vegetative growth is finished. Infestation pressure by the red spider mite is present.

| | IOW | ideai | nign |
|------------------|--------------|---------------|---------------|
| Temperature | | | \rightarrow |
| | low | ideal | high |
| Water supply | - | | |
| | behind | optimal | ahead |
| Development | ← | | |
| | none | little | high |
| Disease pressure | ^ | | |
| | none | little | high |
| Insect condition | | \rightarrow | |



(Tendency: stable \uparrow , decreasing \leftarrow , increasing \rightarrow)

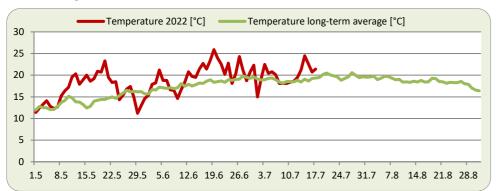
(++ very good; + good; o average; - weak; -- very weak)

Report on Weather and Hop Growing Conditions: Week 28



Report Period: July 11, 2022 - July 17, 2022

TETTNANG



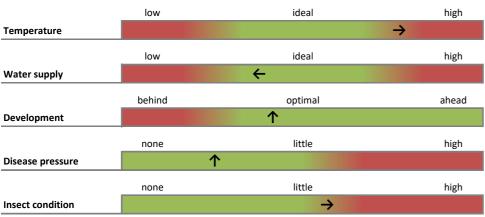
| | May | June | July | August |
|------|-----|------|------|--------|
| 0 | | | 40 | |
| 50 | 92 | | | |
| 00 - | 117 | | 131 | 133 |
| 50 — | | 160 | | |

■ Precipitation 2022 [I/m²] ■ Precipitation long-term average [I/m²]

| Variety | Comment | Development |
|--------------|----------------------------|-------------|
| Tettnanger | Flowering / begin cone set | o |
| Mittelfrüher | Flowering | 0 |
| Tradition | Flowering | 0 |
| Herkules | Flowering | + |

comments: Summer temperatures above 25° C prevailed, precipitation was absent. However, the soils are currently still supplied with water. All varieties are flowering. More and more often spider mite infestation is detected and treatments against it are carried out.







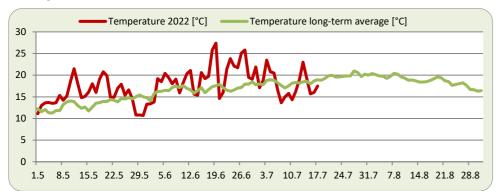
(Tendency: stable \uparrow , decreasing \leftarrow , increasing \rightarrow)

Report on Weather and Hop Growing Conditions: Week 28



Report Period: July 11, 2022 - July 17, 2022

ELBE SAALE



| 100 T | ■ P | recipita | ation 2022 [| l/m²] | ■ Pre | ecipitation lo | ong-ter | m aver | age [l/m²] | | |
|-------|----------------------|----------|--------------|-------|-------|----------------|---------|--------|------------|-------|----------|
| 80 - | | | | | | | | | | | |
| 60 - | | 66 | | | 62 | | | 80 | | 77 | Ш |
| 40 - | | | | | 62 | | | | | - | |
| 20 - | 22 | | | 20 | | | 22 | | | - | \vdash |
| 0 + | | av | | | ne | - | | lv | Δ | ugust | Щ, |
| | May June July August | | | | | | | | | | |

| Variety | Comment | Development |
|--------------------|------------|-------------|
| Perle | Flowering | - |
| Northern Brewer | Full bloom | - |
| Magnum | Flowering | - |
| Herkules | Flowering | -/o |

Comments: Precipitation remains absent in the whole growing area. All varieties are already in bloom, and the early-maturing Saazer variety has already begun to develop cones. Plant protection measures against diseases and pests have been carried out.



| | low | ideal | high |
|---------------------------|----------------------|---------------|-------|
| Temperature | | \rightarrow | |
| | low | ideal | high |
| Water supply | ↑ | | |
| | behind | optimal | ahead |
| Development | ← | | |
| | none | little | high |
| Disease pressure | | ↑ | |
| | none | little | high |
| Insect condition | | \rightarrow | |
| /Tandanau stable A deeres | sing / increasing \\ | | |



(Tendency: stable \uparrow , decreasing \leftarrow , increasing \rightarrow)