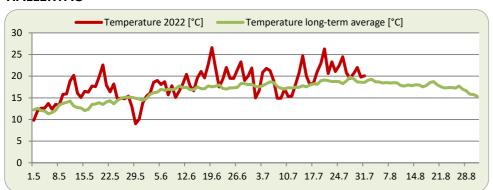
Report on Weather and Hop Growing Conditions: Week 30



Report Period: July 25, 2022 - July 31, 2022

HALLERTAU



| 120 | ■ P | [l/m²] | ■ Pr | ■ Precipitation long-term average [I/m²] | | | | | | | |
|------|------------|--------|------|--|-----|---|----|-----|-----|------|--|
| 120 | | | | | | | | | | | |
| 100 | | | | | | | | | | | |
| 80 - | | 94 | | 89 | 101 | | | 101 | | 98 | |
| 60 | 67 | | | | - | | | | | | |
| 40 - | | | | | | | 42 | | | - | |
| 20 - | | | | | - | | 43 | | | | |
| 0 - | | | 1 | | | ' | | | ı | | |
| | Ma | ay | | Ju | ne | | Ju | ly | Aug | gust | |

| Variety | Comment | Development |
|-----------|-------------------------------|-------------|
| Tradition | Beginning cone set / cone set | /- |
| Perle | Beginning cone set / cone set | /- |
| Magnum | Beginning cone set / cone set | /- |
| Herkules | Cone set | -/o |

Comments: Only low rainfall could not improve the water supply. The main aroma varieties are significantly less developed than the main bitter variety Herkules. Pest pressure from the red spider mite remains high. At the same time, control measures proved difficult due to the lack of availability of plant protection products.



| | low | ideal | high |
|---------------------------------|---------------------|----------|---------------|
| Temperature | | | \rightarrow |
| | low | ideal | high |
| Water supply | ↑ | | |
| | behind | optimal | ahead |
| Development | ← | | |
| | none | little | high |
| Disease pressure | ↑ | | |
| | none | little | high |
| Insect condition | | → | |
| (Tendency: stable ↑, decreasing | ng ←, increasing →) | | |

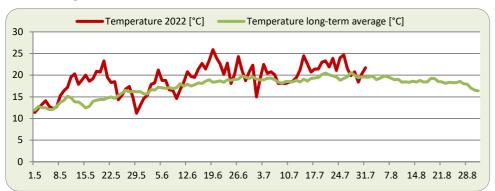


Report on Weather and Hop Growing Conditions: Week 30



Report Period: July 25, 2022 - July 31, 2022

TETTNANG

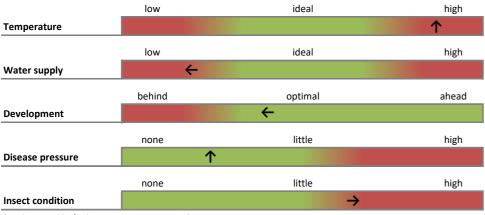


| 200 ¬ | ■ P | recipitatio | on 2022 [l/m²] | ■ Pred | cipitation long-ter | m aver | rage [l/m²] | | |
|-------|------------|-------------|----------------|--------|---------------------|--------|-------------|-----|--|
| | | | | | | | | | |
| 150 - | | | 160 | | | | | 422 | |
| 100 - | | 117 | | 122 | | 131 | | 133 | |
| 50 - | 92 | | | | 66 | | | | |
| 0 - | | | | | | | | | |
| | | | ne | Ju | ly | Aug | gust | ' | |

| Variety | Comment | Development |
|--------------|----------|-------------|
| Tettnanger | Cone set | - |
| Mittelfrüher | Cone set | - |
| Tradition | Cone set | 0 |
| Herkules | Cone set | 0 |

Comments: Temperatures continue to be high, which negatively affects the water supply of the soil. All varieties are developing cones now. Occasional re-treatments against the spider mite are being carried out. Other diseases are under control.







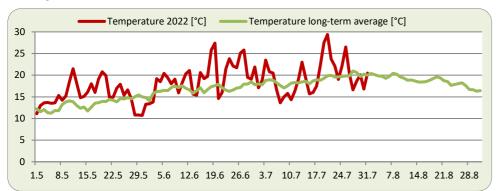
(Tendency: stable \uparrow , decreasing \leftarrow , increasing \rightarrow)

Report on Weather and Hop Growing Conditions: Week 30



Report Period: July 25, 2022 - July 31, 2022

ELBE SAALE



| 100 ¬ | ■ Pi | ecipita | ation 2022 | [l/m²] | ■ Pre | ecipitation lo | ong-ter | m aver | age [l/m²] | | | |
|-------|-------------|---------|------------|--------|-------|----------------|---------|--------|------------|-----|------|--|
| 80 - | | | | | | | | | | | | |
| | | | | | | | | 80 | | | 77 | |
| 60 - | | 66 | | | 62 | | | | | | | |
| 40 - | | | | | | | 45 | | | | | |
| 20 - | 22 | | | 20 | | | | | | | - | |
| 0 + | Ma | ау | ' | Jur | ne | ' | Ju | ly | ' | Aug | gust | |

| Variety | Comment | Development |
|--------------------|-------------------------------|-------------|
| Perle | Beginning cone set / cone set | /- |
| Northern Brewer | Cone set | /- |
| Magnum | Cone set | - |
| Herkules | Cone set | -/o |

Comments: At the weekend there were some thunder showers, but they were too low to improve the water supply. The plants are in the stage of cone development. The infestation pressure by the red spider mite is still high. Powdery mildew pustules were found in some fields.



| low | ideal | high |
|----------|---------------------------|---|
| | | ↑ |
| low | ideal | high |
| ↑ | | |
| behind | optimal | ahead |
| ← | | |
| none | little | high |
| | \rightarrow | |
| none | little | high |
| | \rightarrow | |
| | low the behind the none | low ideal ↑ behind optimal ← none little → none little |



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