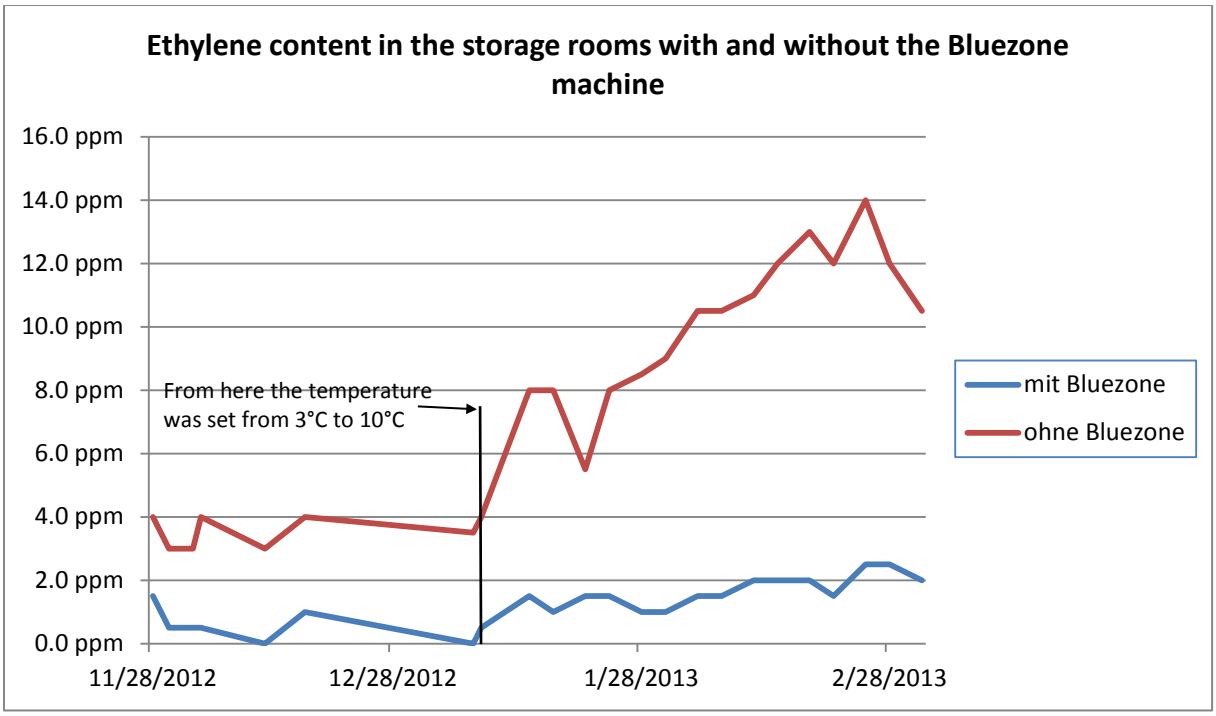
On October 30, 2012 the apples were stored with and without Bluezone in the storage rooms. The apples were from Dienstleistungszentrum Ländlicher Raum Rheinpfalz (DLR) Kompetenzzentrum Gartenbau in Rheinbach/Klein-Altendorf. The „Pinova Roho“, „Pinova Standard“, „Elstar“ and „Sapora“ varieties were stored. They were supplemented by additional test variants. As a result, treatment was also undertaken with MCP. The two „Pinova“ varieties were supplemented by a variant with a fungicide (Scala). The variants are illustrated in the following table.

| | | "Pinova Roho" | "Pinova Standard" | "Sapora" | "Elstar" |
|---|---|---|---|---|---|
| WithoutBluezone | untreated | x | x | x | x |
| WithoutBluezone | Scala | x | x | | |
| WithoutBluezone | MCP | x | x | x | x |
| With Bluezone | untreated | x | x | x | x |
| With Bluezone | Scala | x | x | | |
| With Bluezone | MCP | x | x | x | x |

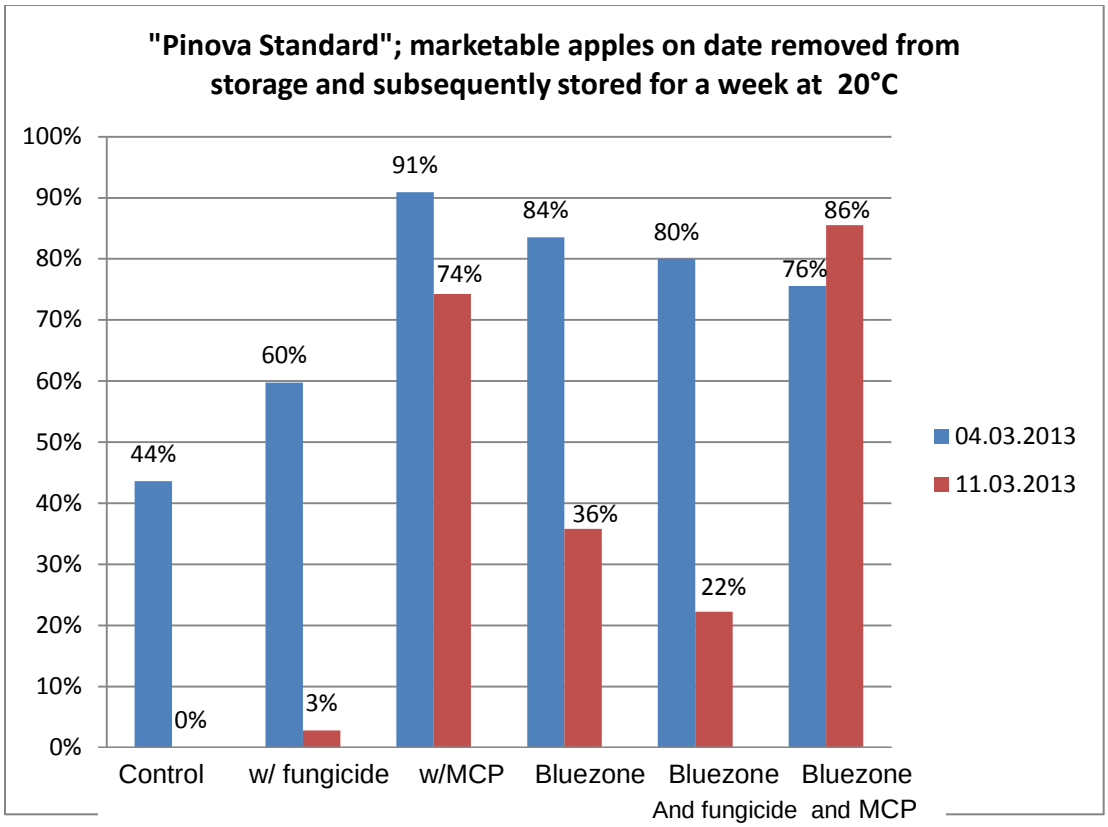
Between 70 and 100 apples per variant were available for rating the removal-from-storage and subsequent storage.

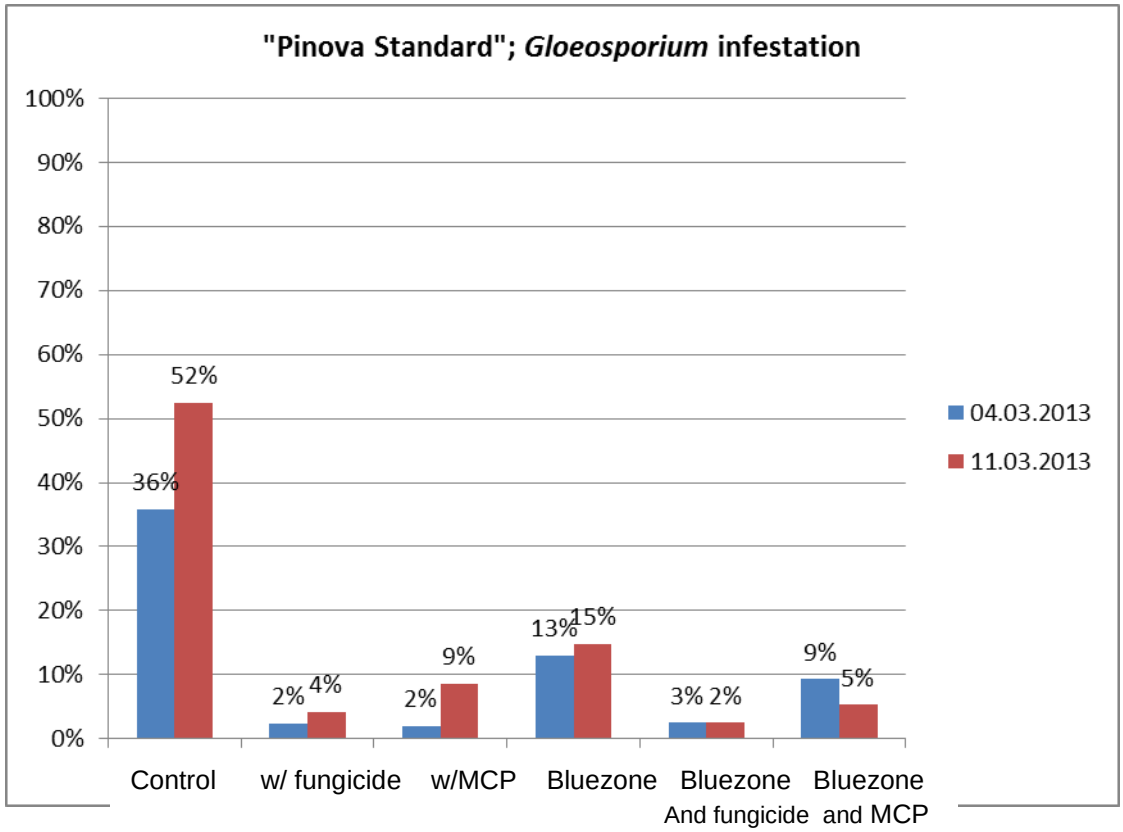
The temperature and rel. air humidity were set to 3°C and 95%, respectively. On 1. 14.2013 the ambient temperature was raised from 3°C to 10°C. The temperature and ethylene content of the air were taken twice a week (Mondays and Thursdays) and documented.

For checking the temperature, evaporation trays were set up in the storage rooms. A test spike thermometer (testo 112) was used to establish the water temperature.
The ethylene content of the air was checked using the Dräger hand-held appliance (Dräger X am 5000). The ethylene measured data produced the following graph




The maximum temperature course varied by 0.2°C of the set value. That is why the corresponding graph is not required at this point.


"Pinova Standard"; marketable apples on date removed from storage and subsequently stored for a week at 20°C
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
44%
0%
60%
3%
91%
74%
84%
36%
80%
22%
76%
86%
Control
w/ fungicide
w/MCP
Bluezone
Bluezone And fungicide
Bluezone and MCP
04.03.2013
11.03.2013


"Pinova Standard"; *Gloeosporium* infestation
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
36%
52%
2%
4%
2%
9%
13%
15%
3%
2%
9%
5%
Control
w/ fungicide
w/MCP
Bluezone
Bluezone And fungicide
Bluezone and MCP
04.03.2013
11.03.2013