**Table 1** - Values of temperature and relative humidity of the air, maximum, minimum and average in external environments (EXT) and environments using the aluminum mesh (AM), red mesh (RM) and environment without mesh (WM) as subcoverment, as well as as the coefficient of variation (CV) and standard deviation (σ), during the experimental period

|  |  |
| --- | --- |
| Air temperature (ºC) | Relatve humidity of air (%) |
|  | EXT | AM | RM | WM | EXT | AM | RM | WM |
| Max | 38,6 | 32,6 | 32,4 | 34,3 | 100 | 100 | 100 | 100 |
| Min | 17,8 | 18,5 | 18,2 | 18,2 | 27 | 44 | 45 | 42 |
| Med | 24,1 | 23,2 | 23,2 | 24,6 | 73 | 83 | 83 | 75 |
| CV (%) | 22,52 | 7,04 | 15,15 | 17,94 | 29,12 | 21,96 | 17,17 | 17,74 |
| σ | 5,32 | 2,02 | 3,42 | 4,18 | 21,59 | 15,33 | 14,59 | 15,05 |

**Table 2** - Minimum, maximum and average irradiance values for the environment using the aluminized mesh (AM), red mesh (RM) and environment without mesh (WM), as well as the coefficient of variation (CV) and standard deviation (σ) ), during the trial period

|  |
| --- |
| Irradiância (W m-2) |
|  | AM | RM | WM |
| Max | 0,235 | 0,201 | 0,365 |
| Min | 0,112 | 0,100 | 0,167 |
| Med | 0,170 | 0,141 | 0,259 |
| CV (%) | 14,13 | 15,59 | 20,03 |
|  Σ | 0,02 | 0,02 | 0,05 |

**Figure 1** - Kriging map representing the intensity of solar energy (W m-2) in the environment using as a subcover a) aluminized mesh (AM), b) red mesh (RM) and c) without mesh (WM)

a)

b)

c)

**Table 3** - Summary of the analysis of variance of the variables: button diameter (BD), number of buttons (NB), actual size (AS), height (H), commercial size (CS) and stem thickness (ST) of the varieties blue, white and rose evaluated in AM, RM and WM environments

|  |  |  |
| --- | --- | --- |
| FV | GL | QM |
|  |  | BD | NB | AS | H | CS | ST |
| Enviroments | 2 | 0,89ns | 1,93\*\* | 90,32ns |  69,55ns | 217,65ns | 0,42\* |
| Varieties | 2 | 0,93ns |  2,84\*\* |  13.426\*\* |  930,41\*\* | 379,56\* |  1,22\*\* |
| E x V | 4 | 2,29ns |  0,87\* |  53,44ns |  35,04ns |  72,03ns | 0,13ns |
| Residue | 18 | 0,96 |  0,26 |  40,30 |  25,00 | 105,59 |  0,07 |
| CV (%) |  | 17,06 |  17,47 |  10,67 |  9,23 | 19,39 |  5,75 |

ns not significant; \*\* significant at the 1% level; and \* at the 5% probability level by the F test

**Table 4** - Comparison table of means of the interaction between environments (aluminized mesh (AM), red mesh (RM) and without mesh (WM)) x varieties (blue, white and rose) for the variable number of flower buds (NB)

|  |
| --- |
| Número de Botões  |
|   | Blue | White | Rose  |
| TA | 2,88 aA | 2,47 aA | 3,13 bA |
| TV | 2,90 aA | 2,03 aA | 2,64 bA |
| ST | 3,03 aB | 2,58 aB | 4,68 aA |

Lower case letters represent the columns and upper case the lines. The means followed by the same letter do not differ statistically. The Tukey test was applied at the level of 5% probability.

**Table 5** - Average values for the variables height of the floral stem (H), actual size (AS), commercial size (CS) and thickness of the floral stem (ST) in the blue, white and rose varieties, and for ESP in the varieties and varieties. environments with aluminized mesh (AM), red mesh (RM) and without mesh (WM)

|  |
| --- |
| Médias |
|  | H | AS | CS | ST |
| Blue | 63,72 a | 56,66 b | 53,63 ab | 4,72 b |
| White | 45, 71 b | 42,96 c | 46,21 b | 4,34 c |
| Rose | 69, 00 a  | 62,82 a | 59,16 a | 5,08 a |
| AM | - | - | - | 4,85 a |
| RM | - | - | - | 4,46 b |
| WM | - | - | - | 4,83 a |

In the columns, the means followed by the same letter, do not differ by 5% by the Tukey test; -: Variables that were not significantly affected by the studied environments.