Human Thermoelectric Reassure and Heat Stress in an Arid Greenhouse: The Impact of Evaporative Cooling Use of Fertilizer and Municipal Solid Waste Compost for Developing Peppers in Greenhouses

Department of Organic Greenhouse Crops and Floriculture, School of Agricultural Technology, Technological Educational Institute of Crete, Greece

Under desert climatic conditions in Riyadh, Saudi Arabia, thermal sensation and heat stress were assessed in a plastic greenhouse with and without evaporative cooling. For the evaluation, appropriate thermal comfort and heat stress scales were chosen. In the greenhouse, measurements of the necessary parameters, including the dry and <code>,^dà^jak^{1,kk}[ak^{1,kk}][</code>

Q} &*!^^}@[`•^A}]]^!A;QÔæ]•i&`{ &æ}}``{ & ŠĒbA & `|ciçæci[}ÉA, Ç^A åi ^!^}cl •`à•clæc^•A, ic@A • [i]A;QÛbA æ}āb[!A TÙYÔA combinations (0-5-10-20-40 percent) utilised with or without fertigation were used, together with municipal solid _æ•c^A&[{]]•cA;TÙYÔbAæ}āb[!A-^!ci*æci[}ÉAV@^A*![_;0A;_Ac@^A]]æ}c•A![•^Aà^AF€.G€ĀĀTÙYÔĒAæ}āA-^!ci*æci[}A]!ā{æ!a]^A i{]![ç^âA]]æ}cAā;*@cFA;AÜYÔA&[}ci*æci[}A]!ā{æ!a]^A i{]![ç^âA]]æ}cAā;*@cFA;AÜYÔA&[}co*A*@cFA;AÜYÔA&[}co*A*@cFA;AÜA@CFA;A@cA]]æ}cAā;*@cA*@cA*@cA*@cA*@cA*A;A@c

The control of the co

 $(\cdot,\cdot,\cdot,\cdot)$. (see, /. ,)/ , . , . . . , ese (, 4-)

\mathbf{R} , . . ,

and property of the state of th

$\mathbf{D}_{\mathcal{A}}$

engling to the section of the second of the $(\mathbf{r}, \mathbf{r}, \mathbf{r$

- Ŏæçiāj^çæth VÞth S[[[{æ\th ÒŒh ÇG€FĬDh Ü^c;[•]^&ch [-h Ù^cc|^{^}ch Úæcc^};hā}h
 Ÿæ\~cæhÒæ•^āh[}hŒ}æ]^•i•h[-hÚ[] `|æd[}hÔ^}• *•^•thX[];[•^hÛcæd•d\idGîÇFGDM
 HJt[ft
- Öææ-¹ÉhÚŒŁÜÖ-æi²ÉkSTÁÇG€€ÎDÁT[á^ji}*Á,æċ^!Á^ ^&ċ*Á[}Á*![,c@Áæ}äÁ¹á^jáÁ[-Á
 melon cvÉhÚ[i]ÁÚ&â^}&^hÚ[&å^c²Á[-ÁŒ {^!i&æÁR["!}æJkÎ[íÇGDKÁF[GGÉFÍG]É
- 3. Ö`à[i•ÁTÉkŐi||^•ÁSŒÉkPæ{iic[}kRSÉkÜ^à^\•ÁÚŒÉkÛ { i∞kØkÇFJÍÎDÁkColorimetric method for determination of sugars and related substancesÉkÛ^}•[I•ÁFÎÇFGDKÁ G€ÊÎÎÊ

- 4. Pæ¦iá•hŮŠĚÁŒˇjäá•ck TRĒkÔjæ¦\kÖŒÉÁRæ}•^}kÒÓŠÁÇFJJÌDhÒ ^&c•k [-k gũx^k&|[ç^ik &[]c^}ckjhc@^kâár^d|[}k@^iàæ*^kåjcæ\^Ék {a|\h]i[å *&ii]kæ}åk {a|\hÔ[{][•iai]}h[-k Þ^,kZ^æjæ}åkåæåi^k&[,•k@[ˇ•^åkj}á[[i•ÈkR[ˇi]æk|-kÖæái†ÅÜ^•kîÎikkHÌJĒI€€É
- îtk Óæ {]^}tkrÓtkÓ[ckÓÓÚkÇ€€HDkÖ^c^! { i}ææi[}k[-k*!^^}t@[*•^k•]^&i, &kæ•]^&c^|-k ç^}cilææi[}k*•i}**kœ!^^kåi { ^}•i[}ækk[{]`cææi[}ækk'`iåkå^}æ { i&•tkÓi[•^•ckÒ}*k i likçFDkkîJETTt
- TÉÁ ÒJĒÕá:æ¸^ÉÆTĚÆTĚÆàæ|JæÉĤTTØÉÄÕ[{ææÉÁ^ckæ|ĔŀÇFJJGbÀÒ ^&ch[-Áāá ^\^}ch®æáá}*Á level on tomato plants yield and fruit qualityÉÆ&æÁP[|cÁHGHkĤHJĒHÍIĒ
- 8. Ò|ÈÙ@i}æ¸î£TZ¢FJJÏDŀÜ^•][}•^A[-kŌ^&^{à^!ÁÚ|æ}c•kc[Allià*æci[}k^}ā^!ÁÛ[{^kô}çil[]{^}œklŌ[}āici[}•. Sci Rep11 (1): 222-318.
- JÈ Tæl[ˇ^||È YŒÊ ÜİÇæÊ YŠÅ ÇG€€ÎD Drip irrigation frequency for processing tomatoes during vegetative growth stageÈ↓Ú^•Æ*![]^&ÅÓ!æ:ijÅI€ÄÎÎFĒÎÎÎÈ
- 10. Þ*[ˇæði[Á TÊÁ Yæ)*Á ŐÉÁ Ő[Jå^ÁÇG€€ÏDÁ Withholding of drip irrigation between clæ}•]Jæ}ci}*Áæ}åÁ¹[_^{i}*Áè}&{^æ^^^£c®^Á^i^jAÁ[-Á,^JåĒ*¦[_}Ác[{æc[Áˇ}å^!Áplastic mulchÉkŒ*¦å&ÁYæc^¦ÁTæ}æ*^Á]ÏkÁkGÌJĒ