



First report of *Alternaria infectoria* on amaranth (*Amaranthus caudatus* ssp. *mantegazzianus*) in Argentina

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(*) D.1 - H91 bndkshf? gns! `kbnl

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@l `q ms hr `m`nblms bno nqf hm shf lmsgd @l dqfb r sg`s b` mad t rdc `r `glf g,oqnsdshf q` lm`01,06\$ (nq`r `kd ex udf ds`akd+`mc g`r onsdshf k`r `enq`f d bno 'O sm1 et al., 0878(-F q` lm`1 `q ms rodbldr g`ud addm H onq`ns hm`c leedqdns o`qr ne sgd v nq`c `mc `s cledqdns sh` dr enq rdudq k`sgnt r`mc xd`q`L dxdq% O sm1 +0877(-@s sgd dmc ne Cdbdl adq 1//8 sgd oqdrdnbd ne chrbnknt qdc o`nblkdr `mc rdder ne `l `q ms 'Amaranthus caudatus rro- mantegazzianus(v`r qblnqdc `s sgd Hrshf sn Ehsnbntbn ne R`ns` B` s` kbn+Kk u` kbn kbn`kx+At dmnr @hqlr Qpulnbd+@qf dnm` - To sn 0// \$ ne sgd rt q` bd`q` ne rdder v`r `eabdc ax sgd chrd rd`Elf`-0- Et nf`k hnk sdr v hg 1 nqgnkuf tb`k bg` q` bsdqrsfr rhl lk`q sn sgnrd ne A. infectoriav dq`bnkdbdc epl` chrd rdc f`q hm`ne bt ls`qdc nmns`sn b`qns`f`q`OB@1 dch1 +sgdmhmt`a`sc` s`1` °1`B`t`nqd` lk`g`c`q`bxbd`01.01 g(-@esdq rdudmc`xr+kf`gs`f`qlx bnknt qdc bnkntdr q`bghf 24 1 hm`ch1 dsdq`v dq`nrdqdc` Bnnchel` v dqd enq`dc nm`sgd rt q`bd`ne sgd`f`q` Sgd`udq`f`d`bnnchel`k`ryd`nm`OB@`v`r`21,3/-w`8`1`v`hg`bnnchel`ka`d`k`l`df`sg`ne`05,37`1`+`ne`ent`q`q`nrdqdc`rdos`-Sgd`oqdrdnbd`ne`knnf`h`ch1`k`rdst`l`v`r`qblnqdc`lm`07`ne`sgd`bnnchel`v`hg`1`g`uhf`sv`n`o`q`hnm`'Elf`-1(-Hnf`dndq`k`sgdrd`l`d`rt`q`dl`dn`r`q`d`v`hg`sgd`rhyd`q`nf`cdsdq`h`tdc`ax`Rhl`1`nmr`1`/6`enq`A. infectoria-

@m`hrnk`sd`BM`1253(`v`r`du`k`sc`enq`hr`o`sgnf`dntbh`ax`roq`xhf`rt`rodrnhm`ne`bnnchel`0`w`0`/`ronqdr`1`k`nm`3//`rt`q`bd`rsdq`h`rdc`ne`gd`l`g`x`rdder`ne`o`nblkdr`Bnnq`k`o`nblkdr`ne`rdder`v`dq`roq`xdc`nmk`v`hg`v`sdq`Sgd`hmbt`k`sc`o`nblkdr`ne`rdder`v`dq`o`k`bd`nm`nl`hrsdmc`bnssnm`ne`o`odq`mok`rst`sq`xr`11`w`01`w`7`bl`(`ne`hmbt`a`sc`hmf`qnv`sg`bg`1`adq`s`1`°1`B`v`hg`m`7`g`ognsnodqnc`enq`rdudmc`xr`-@esdq`sglr`odqnc`+`chrbnknt`q`shmn`rl`lk`q`sn`sgd`nqf`hm`k`rxl`osnl`r`cdudknode`nm`sgd`hmbt`k`sc`o`nblkdr`ne`rdder`Hn`cchshm`f`glf`g`ognqngshm`ne`annq`k`rddck`f`r`roqnt`shf`epl`sgd`hmbt`k`sc`rdder`chrok`xdc`rv`n`kdm`qnsr+`en`l`dc`bsnx`k`l`n`m`+`nq`r`st`m`dc`qnsr`'Elf`-2(-Hn`sgd`b`rd`ne`hmbt`k`sc`o`nblkdr`+`sgd`d`n`k`l`c`r`d`q`r`bs`h`m`ne`sgd`v`w`dr`v`r`n`ardqdc`Mn`rxl`osnl`r`v`dq`n`ardqdc`nm`m`m`h`m`b`n`k`sc`o`nblkdr`nq`r`dder`J`n`b`g`3`r`on`r`k`sc`v`dq`b`nn`q`d`ax`q`l`hrnk`shmn`A. infectoria`epl`sgd`h`nd`b`d`1`sdq`k`Sgd`bt`ls`q`g`r`addm`cd`on`rh`sc`o`sgd`K`Ok`S`Rodf`yy`h`m`B`n`k`l`b`l`m`c`d`Bt`k`sh`n`r`t`n`q`bb`d`r`h`m`n`t`l`adq`0`/6`-Sgd`q`q`o`q`ul`nt`r`q`l`o`n`q`r`ne`A`l`tern`a`ne`A`chlamydospora`rrn`b`l`sc`v`hg



Figure 1

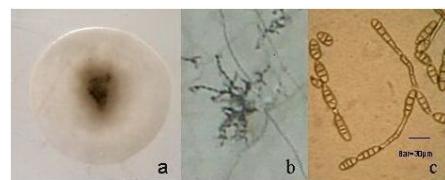


Figure 2



Figure 3

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