



Erratum

Erratum: Nadia Antonella Valverdi, et al., Apple Scion and Rootstock Contribute to Nutrient Uptake and Partitioning Under Different Belowground Environments. *Agronomy* 2019, 9, 415

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MDPI, St. Alban-Anlage 66, 4052 Basel, Switzerland; agronomy@mdpi.com

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The authors wish to correct the following erratum in this paper [1]: The order of references from ref [24] to ref [52] should be ordered as follows:

- 24. Ferguson, I.B.; Watkins, C.B. Bitter pit in apple fruit. *Hortic. Rev. Am. Soc. Hortic. Sci.* **1989**, 11, 289–355.
- 25. Lang, A. Xylem, Phloem and Transpiration Flows in Developing Apple Fruits. *J. Exp. Bot.* **1990**, 41, 645–651.
- 26. Watkins, C.B.; Nock, J.F.; A Weis, S.; Jayanty, S.; Beaudry, R.M. Storage temperature, diphenylamine, and pre-storage delay effects on soft scald, soggy breakdown and bitter pit of Honeycrisp apples. *Postharvest Biol. Technol.* **2004**, 32, 213–221.
- 27. Public utility district. *Water Quality 2018 Annual Report*; Wenatchee, Public utility district: WA, USA, 2018.
- 28. Shackel, K.; Lampinen, B.; Southwick, S.; Olson, W.; Sibbett, S.; Krueger, W.; Yeager, J.; Goldhamer, D. Deficit Irrigation in Prunes: Maintaining Productivity with Less Water. *Hortscience* **2000**, 35, 1063–1066.
- 29. Kalcsits, L.A. Non-destructive Measurement of Calcium and Potassium in Apple and Pear Using Handheld X-ray Fluorescence. *Front. Plant Sci.* **2016**, *7*, 6.
- 30. Buwalda, J.; Lenz, F. Effects of cropping, nutrition and water supply on accumulation and distribution of biomass and nutrients for apple trees on'M9'root systems. *Physiol. Plant* **1992**, 84, 21–28.
- 31. Atkinson, C.J.; Policarpo, M.; Webster, A.D.; Kuden, A.M. Drought tolerance of apple rootstocks: Production and partitioning of dry matter. *Plant Soil* **1999**, 206, 223–235.
- 32. Lordan, J.; Fazio, G.; Francescatto, P.; Robinson, T. Effects of apple (Malus×domestica) rootstocks on scion performance and hormone concentration. *Sci. Hortic.* **2017**, 225, 96–105.
- 33. Tworkoski, T.; Fazio, G. Effects of Size-Controlling Apple Rootstocks on Growth, Abscisic Acid, and Hydraulic Conductivity of Scion of Different Vigor. *Int. J. Fruit Sci.* **2015**, *15*, 1–13.
- 34. Lauri, P.E.; Maguylo, K.; Trottier, C. Architecture and size relations: An essay on the apple (Malus x domestica, Rosaceae) tree. *Am. J. Bot.* **2006**, *93*, 357–368.
- 35. Costes, E.; García-Villanueva, E. Clarifying the Effects of Dwarfing Rootstock on Vegetative and Reproductive Growth during Tree Development: A Study on Apple Trees. *Ann. Bot.* **2007**, 100, 347–357.
- 36. Kucukyumuk, Z.; Erdal, I. Rootstock and cultivar effect on mineral nutrition, seasonal nutrient variation and correlations among leaf, flower and fruit nutrient concentrations in apple trees. *Bulg. J. Agric. Sci.* **2011**, *17*, 633–641.

Agronomy **2019**, *9*, 657

37. Amiri, M.E.; Fallahi, E.; Safi-Songhorabad, M. Influence of rootstock on mineral uptake and scion growth of Golden delicious and Royal gala apples. *J. Plant Nutr.* **2014**, *37*, 16–29.

- 38. Fallahi, E. Influence of Rootstock and irrigation methods on water use, mineral nutrition, growth, fruit yield, and quality in 'Gala' Apple. *Horttechnology* **2012**, 22, 731–737.
- Greer, D.H.; Wünsche, J.N.; Norling, C.L.; Wiggins, H.N. Root-zone temperatures affect phenology of bud break, flower cluster development, shoot extension growth and gas exchange of "Braeburn" (Malus domestica) apple trees. *Tree Physiol.* 2006, 26, 105–111.
- 40. Ceccon, C.; Panzacchi, P.; Scandellari, F.; Prandi, L.; Ventura, M.; Russo, B.; Millard, P.; Tagliavini, M. Spatial and temporal effects of soil temperature and moisture and the relation to fine root density on root and soil respiration in a mature apple orchard. *Plant Soil* **2011**, 342, 195–206.
- 41. Gur, A.; Hepner, J.; Shulman, Y. The influence of root temperature on apple trees. IV. The effect on the mineral nutrition of the tree. *J. Hortic. Sci.* **1979**, *54*, 313–321.
- 42. Jackson, J.E. Eating quality and its retention. In *The Biology of Apples and Pears*; Cambridge University Press: Cambridge, NY, USA, 2003; pp. 341–383.
- 43. Atkinson, C.J.; Taylor, L.; Taylor, J.M.; Lucas, A.S. Temperature and irrigation effects on the cropping, development and quality of Cox's Orange Pippin and Queen Cox apples. *Sci. Hortic.* **1998**, *75*, 59–81.
- 44. Slowik, K.; Labanauskas, C.K.K.; Stolzy, L.H.H.; Zentmyer, G. A. A. Influence of rootstocks, soil oxygen, and soil moisture on the uptake and translocation of nutrients in young avocado. *J. Am. Soc. Hortic. Sci.* **1979**, *104*, 172–175.
- 45. Jackson, J.E. Biology of Apples and Pears; Cambridge University Press: Cambridge, NY, USA, 2003.
- 46. Montanaro, G.; Dichio, B.; Xiloyannis, C. Significance of fruit transpiration on calcium nutrition in developing apricot fruit. *J. Plant Nutr. Soil Sci.* **2010**, 173, 618–622.
- 47. Montanaro, G.; Dichio, B.; Xiloyannis, C.; Lang, A. Fruit transpiration in kiwifruit: Environmental drivers and predictive model. *AoB PLANTS* **2012**, 2012, pls036.
- 48. de Freitas, S.T.; Amarante, C.V.D.; Labavitch, J.M.; Mitcham, E.J. Cellular approach to understand bitter pit development in apple fruit. *Postharvest Boil. Technol.* **2010**, *57*, 6–13.
- 48. de Freitas, S.T.; Amarante, C.V.D.; Dandekar, A.M.; Mitcham, E.J. Shading affects flesh calcium uptake and concentration, bitter pit incidence and other fruit traits in Greensleeves apple. *Sci. Hortic.* **2013**, *161*, 266–272.
- 50. White, P.J.; Broadley, M.R. Calcium in plants. *Ann. Bot.* **2003**, *92*, 487–511.
- 51. Montanaro, G.; Dichio, B.; Lang, A.; Mininni, A.N.; Xiloyannis, C. Fruit calcium accumulation coupled and uncoupled from its transpiration in kiwifruit. *J. Plant Physiol.* **2015**, *181*, 67–74.
- 52. Kalcsits, L.; Van Der Heijden, G.; Reid, M.; Mullin, K. Calcium Absorption during Fruit Development in 'Honeycrisp' Apple Measured Using 44Ca as a Stable Isotope Tracer. *Hortscience* **2017**, 52, 1804–1809.

The change of references was caused by wrong Typographic order.

The authors and editorial office would like to apologize for any inconvenience caused to the readers by these changes. The changes do not affect the scientific results. The manuscript will be updated and the original will remain online on the article webpage.

References

1. Nadia, A.V.; Lailiang, C.; Lee, K. Apple Scion and Rootstock Contribute to Nutrient Uptake and Partitioning under Different Belowground Environments. *Agronomy* **2019**, *9*, 415. [CrossRef]



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