

1. Apple variety evaluation

J. Clements

- Mostly now in collaboration with Midwest Apple Improvement Association (MAIA) and Wafler Nursery
- MAIA1 (EverCrisp) on G.41 planted 2013
- 20 named and numbered selections planted 2018 on G.41 (including Summerset, Rosalee, Ludacrisp, SweetMAIA, Baker's Delight, Sweet Zinger, and Crunch-A-Bunch)
- 2 numbered selections planted 2021 and 7 numbered selections planted 2022
- Casual observations entered in the field into MAIAtester database; some further fruit quality lab evaluations at harvest, ongoing
- Objective is to provide a heads-up for growers wishing to plant these new apple varieties

The image displays two screenshots of the MAIAtester mobile application interface. The left screenshot, taken at 9:51 AM on 9/8/2020, shows the data entry form for 'MDD7-50 (MAIA-SM)'. The right screenshot, taken at 9:54 AM on 10/21/2020, shows the form for 'Sweet Zinger'. Both forms include a list of attributes with dropdown menus, a 'Tree pict' field with a photo of the tree, and a 'Season' field. The 'Sweet Zinger' form also includes a 'Fruit pict' field with a photo of a single apple. The 'Comments' field for 'MDD7-50' contains the text 'Very good; some skin punctures', while the 'Sweet Zinger' comments include 'Not bad, touch of water core in most; DA high but SI high too; distinct conic fruit shape' and several numerical values: D=3.2, DA=1.227 green looking, F=19, SS=13.8, and SI=6-7-8.

Attribute	MDD7-50 (MAIA-SM)	Sweet Zinger
MAIA Selection	MDD7-50 (MAIA-SM)	Sweet Zinger
Date	9/8/2020	10/21/2020
Name	Clements	Clements
Location	Belchertown, MA	Belchertown, MA
Observation type	Harvest	Harvest
Rootstock	NA?	G.41
Vigor	Strong	weak-medium, spurry
Branching	Medium	Average
Growth habit	Spreading	Upright
Bearing habit	Spur and tip	Spur
Blind wood	No	Tendency
Bloom time		
Bloom density		
Crop load	Medium	Medium
Size	Medium-large	Medium-Large
Red color	95%	50-75
Overall appearance	Very good	Good
Texture	Firm, crisp, melting	crunchy, crisp
Flavor	Sweet	Sweet
Overall flavor	Very good	Good
Comments	Very good; some skin punctures	Not bad, touch of water core in most; DA high but SI high too; distinct conic fruit shape D=3.2 DA=1.227 green looking F=19 SS=13.8 SI=6-7-8
DateTimestamp	9/8/2020 3:00:15 PM	10/21/2020 4:50:55 PM