

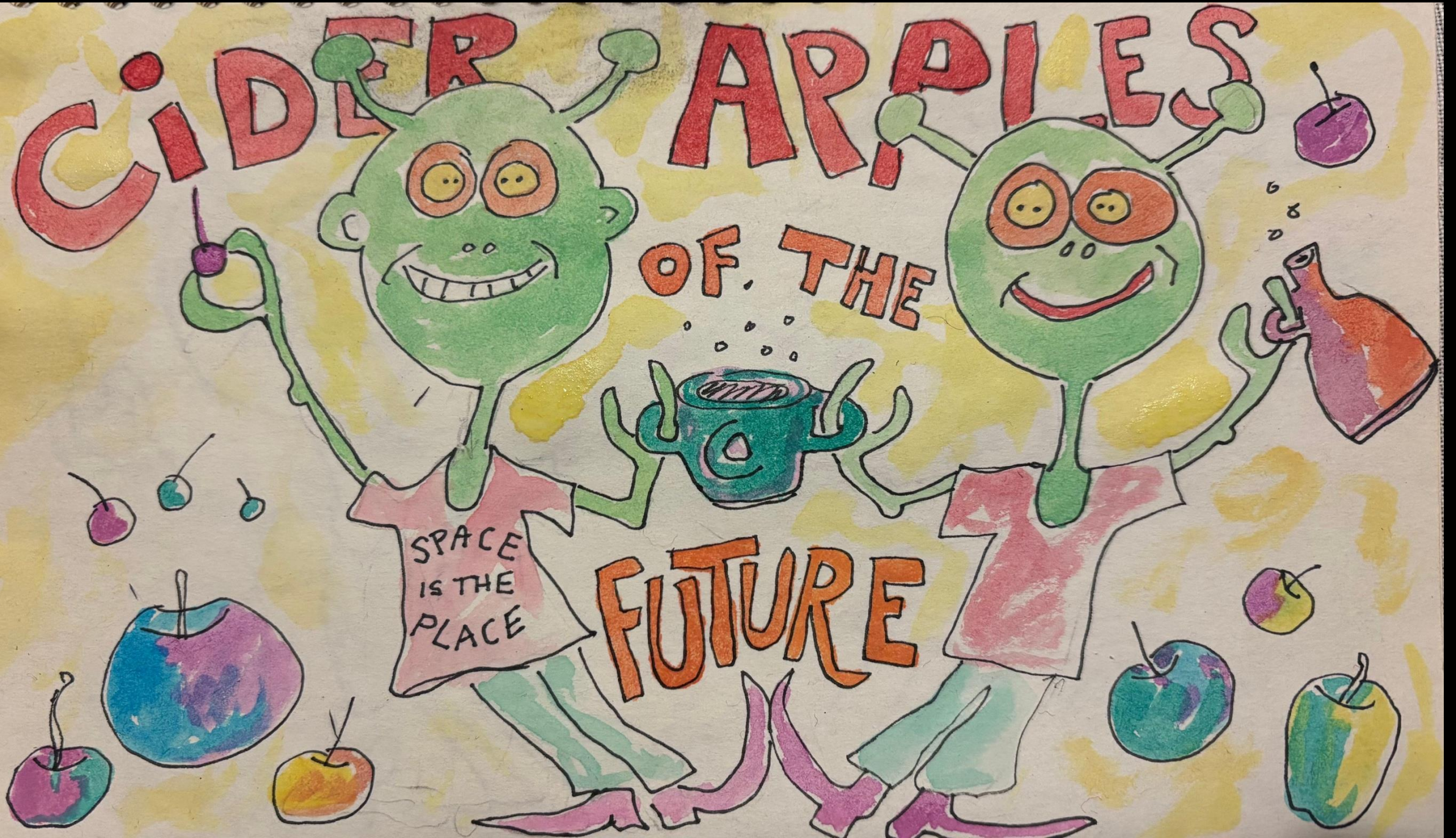


**CRAFTING
CIDER'S
FUTURE
TOGETHER**

CIDER APPLES OF THE FUTURE



CIDER APPLES



OF THE

FUTURE

SPACE
IS THE
PLACE



W. E. MOUNT
1846





HARRISON





















Variety: LATE 5th LANDRAISE
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Nailbiter

Brix: 20 | 18

sc: Brown (both)













Eastern North American Malus species:

M. angustifolia

M. ioensis

M. coronaria

- ❖ Very closely related
- ❖ Highly variable in phenotype
- ❖ Variable ploidy
- ❖ Shrubs to small trees
- ❖ 2-3 cm, hard green fruit
- ❖ Long history of use for food by native peoples



Malus ioensis (Prairie Crabapple), leaf, upper surface; © Edward A. Hultine, Jr.



Malus ioensis (Prairie Crabapple), fruit, mature; © Edward A. Hultine, Jr.



Malus domestica 'Gala'



Malus coronaria



MSU Apple Genetics and New Cider Cultivar Development Program

- ❖ Genetic analysis of late bloom and other unique traits in North American wild species
- ❖ Diploid (*M. angustifolia*) and triploid (*M. coronaria*) introgression into elite cultivars





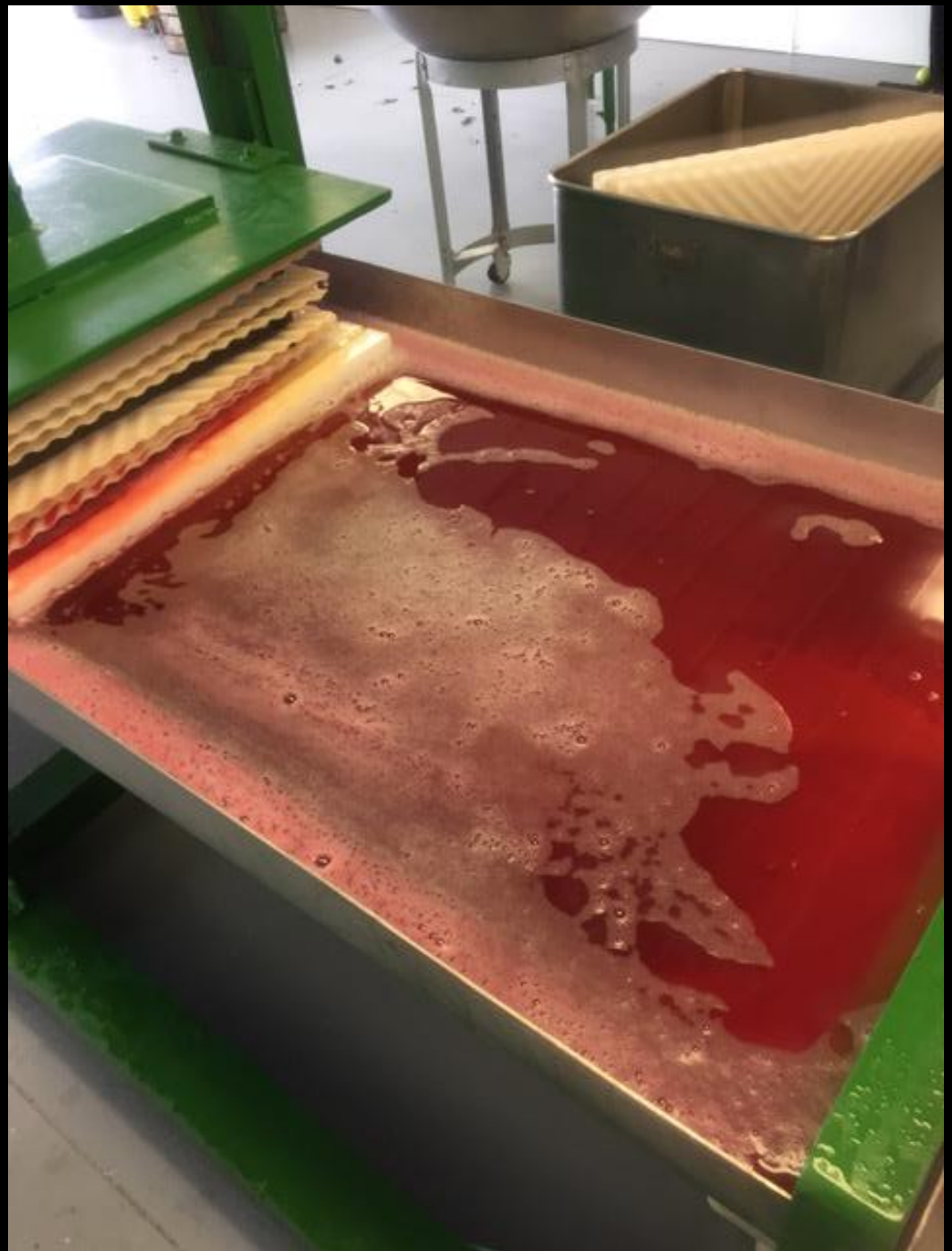




MPR2016-171 (MSU)
Red juice apple

Disease	☆☆☆☆☆
Vigor	☆☆☆☆☆
Production	☆☆☆☆☆
Juice color	☆☆☆☆☆
Acid	☆☆☆☆☆
Phenolics	☆☆☆☆☆
Sol solids	☆☆☆☆☆
Postharvest	☆☆☆☆☆

Highly vigorous mid-season juice apple with high acids, phenolics and sugars. No evidence of postharvest browning. Now trialing through MSU.







**Great Lakes
Cider Apple
Collection**







