Reduction Prone: frequent pumpovers or rach and return to introduce oxygenand avoid off flavors; battonage/lees stirring, freq aeration

- Pinot Noir
- Chardonnay
- Mouvedre
- Syrah
- Montepulciano
- Trousseau
- Poulsard
- Dolcetto

Uneven ripening/millerandage

- Chardonnay
- Gamay
- Nebbiolo
- Zinfandel/primitivo
- Montepulciano
- Chenin Blanc
- Corvinone
- Nero d'Avola/Calabrese
- Bobal
- Tempranillo
- Nero/Uva di Troia

Oxidation

- Grenache
- Arneis
- Clairette
- Piquepoul Blanc Picpoul de Pinet AOC
- Malvasia Bianca di Candia Lazio

Disease

- all Marche grapes resistant except Verdicchio
- Passerina resistant
- Malvasia Bianca di Candia
- Primitivo loose bunches (~Bourboulenc) with small berries better disease resistance than Zinfandel

Drought

- Mouvedre not drought resistant but requires small but regular amounts of water from deep calcareous soils that stores water
- Merlot
- Corvina
- Primitivo
- Tempranillo not resistant
- Verdejo resistant
- Grenache resistant
- Cinsault **resistant**
- Greek varietals mostly resistant eg Savatiano resistant
- Greco resistant
- Piedirosso resistant
- Inzolia or Ansonica resistant
- Mocato resistant
- Carignan resistant
- Graciano resistant
- Bobal tolerant

- Monastrell tolerant
- Antao Vaz tolerant

Coulure (poor fruit set)

- Merlot
- Grenache
- Mouvedre
- Primitivo/Zinfandel
- Poulsard caused by very early budding
- Trousseau
- Chardonnay
- Roussanne
- Viognier
- Gewurztraminer
- Lagrein
- Moscato Rosa
- Nerello Mascalese

Powdery Mildew

- Montepulciano
- Verdicchio
- Cesanese Lazio
- Chardonnay
- PN

Downy Mildew

- Corvina
- Montepulciano resistant
- Verdicchio
- PN

Botrytis

- Merlot
- Corvina
- Montepulciano resistant
- Verdicchio
- Chardonnay
- PN
- Trousseau

Prone to fungal diseases

• Graciano

Prone to oxidation

- Arneis
- Grenache
- Passerina Marche, Offida
- Malvasia Bianca di Candia

Esca: rootstocks, avoid large cuts in old wood to reduce vine vulnerability, more skilled pruning methods

- Corvina
- Cab Sauv
- Cinsault
- Rondinella
- Sangiovese

Eutypa - trunk disease

- Cab Sauv
- Cinsault
- Trebbiano Toscano

Sterile buds - best trained long (Guyot, pergola)

- Verdicchio
- Percorino

High yielding/vigorous

- Passerina
- Riesling?
- Chardonnay?
- Tempranillo
- Malvasia Bianca di Candia
- Trousseau

Low yielding

- Malvasia di Lazio: Muscat of Alexandria X local cross
- Percorino

Low vigor

- Dolcetto
- Greco
- Tempranillo mildly productive

Thin-skin

- Trousseau
- Welschriesling
- Cortese
- Sangiovese
- Pinot Noir
- Corvina

Thick-skin

- Cab Sauv
- Bourboulenc (loose bunches)
- Trousseau
- Gruner Veltliner
- Blaufrankisch
- Chianti Classica clones: thicker skins, smaller berries, more open bunches, less vigor
- Grechetto (di Orvieto)
- Fiano
- Perdirosso

Loses acidity and/or accumulates sugar quickly

- Mencia: early/mid ripening
- Grenache (and color loss) great for VdN: late ripening
- Viognier:
- Arneis
- Maria Gomes (Fernao Pires):
- Rical
- Roupeiro loses primary fruit quickly, retains acid
- Passerina Marche: late ripening

- Malvasia di Lazio: Muscat of Alexandria X local cross
- PN in warm climates