

Table 10. A brief description of some of the more promising scab resistant apple cultivars for Ohio.

EARLY - SEASON

REDFREE - (Co-op 13) from Purdue-Rutgers-Illinois breeding program; summer apple ripens 6 weeks prior to Delicious (earlier than Paulared and later than Vista Bella); flavor is sweet, aromatic; color is bright red; fruit stores 1 month or more in refrigeration; field immune to apple scab and cedar apple rust, moderately resistant to powdery mildew, good resistance to fireblight; introduced 1981.

PRIMA - (Co-op 2) from Purdue-Rutgers-Illinois breeding program; summer apple ripens 4-5 weeks before Delicious; 2 1/2 to 3 inch fruit, bright finish, slightly striped, mostly red-colored, crisp and breaking flesh at harvest; early Jonathan-type fruit; fruit stores 1 month in refrigeration; highly resistant to apple scab, good resistance to powdery mildew, good to moderate resistance to fireblight, susceptible to cedar apple rust and severe low winter temperatures; introduced 1970.

JONAFREE - (Co-op 22) from Purdue-Rutgers-Illinois breeding program; Jonathan season, one week before Delicious; higher red color than Jonathan with similar flavor but less acid; not prone to bitter pit or Jonathan spot; field immune to scab, less susceptible to powdery mildew, fireblight and cedar apple rust than Jonathan;

SIR PRIZE - (Co-op 5); ripens about 2 weeks after Delicious; large bright yellow apple with juicy full flavored flesh; fruit bruises easily so unacceptable as commercial cultivar but excellent for home garden; triploid with unviable pollen so will not pollinate other varieties; field immune to apple scab, good resistance to powdery mildew, moderate susceptibility to cedar apple rust, susceptible to fire blight; introduced 1975.

MID - SEASON

NOVAMAC - from Kentville, Nova Scotia, Canada breeding program; fruit ripen in mid-to-late September; fruit medium to large size (2 7/8 inches); 80% red stripe on greenish ground; flesh white, crisp, tender, juicy; flavor slightly McIntosh; tree vigorous, moderately productive; highly resistant to apple scab, susceptible to powdery mildew, resistant to cedar apple rust and fireblight, introduced 1978.

LIBERTY - from New York State Agriculture Experiment Station at Geneva breeding program; fruit ripen in early October, fruit medium size (2 3/4 inches), round to slightly oblate, 95% bright red stripe on yellow ground color; flesh crisp, juicy, fine-textured, light yellow; flavor slightly sweet and sprightly; tree medium vigor, spreading, productive; blooms with McIntosh; highly resistant to apple scab, moderate resistance to powdery mildew, resistant to cedar apple rust and fireblight; introduced 1978.

FREEDOM - from New York State Agriculture Experiment Station at Geneva breeding program; fruit ripen in early October, fruit large (3 1/4 inches), oblate, 80% red stripe on yellow ground; flesh tender, juicy, flavor subacid and sprightly; stores until January in refrigeration, tree vigorous, spreading, very productive; blooms early-mid season; highly resistant to apple scab, moderate resistance to powdery mildew, cedar apple rust and fireblight; introduced 1985.

LATE- SEASON

ENTERPRISE - (Co-op 30) from Purdue-Rutgers-Illinois breeding program; two and one-half weeks after Delicious; large fruit size; bright, glossy red fruit finish; firm, crisp, breaking flesh, spicy flavor and juicy; stores well with flavor peak after storage; field immune to scab, moderately resistant to powdery mildew, highly resistant to cedar apple rust and fireblight; introduced 1992.

GOLDRUSH - (Co-op 29) from Purdue-Rutgers-Illinois breeding program; two and one-half weeks after Delicious (or later), fruit very firm, very crisp and breaking flesh, juicy; greenish yellow coat with some russet; semi-tart; excellent storer; field immune to apple scab, moderate resistance to powdery mildew, highly resistant to cedar apple rust and fireblight; introduced 1992.