3. ***Species*** - Tree species information is used to predict maintenance needs, evaluate performance, assess diversity and estimate the value of the tree population. If species information is among your data needs, it's a good idea to record not only a tree's common name, but also scientific name and cultivar or variety, if known. Scientific names eliminate the confusion caused when a common name is used for two different species or when a given species goes by more than one common name. Cultivar or variety information is useful because different cultivars or varieties of the same species can vary widely with respect to hardiness, pest resistance and maintenance needs.

4. ***Size*** - Because maintenance and removal costs are usually dependent on tree size, size data are useful for estimating budget needs. Size data can also be used to estimate the value and assess age diversity of the tree resource. Tree size is usually measured in diameter at 4.5' above the ground. Although exact measurement allows a more accurate estimate of tree value or growth rate, trees are usually categorized by diameter class (e.g., 1-6," 7-12," 13-18," 19-24," etc.) Using diameter class speeds up the inventory process.

5. ***Condition*** - Tree condition is recorded to assess health of the resource and estimate tree value. Together with data on *maintenance needs*, tree condition information helps prioritize maintenance and removal activities. Trees are typically rated as dead, poor, fair, good or excellent. At a minimum, notation of hazard or non-hazard status should be made.

6. ***Site Information*** - Site information is used for planting planning and to anticipate certain maintenance needs of existing trees. At a minimum, site data should include width of terrace or boulevard, presence of overhead and underground utilities and presence of sidewalks and curbs.

7. ***Maintenance Needs*** - Many inventories are conducted specifically to determine tree maintenance and removal needs. This information guides work planning and budget development. Data can include planting, tree removal, stump removal, safety pruning, training pruning, crown lifting, deadwoooding, thinning, mulching, watering, stake & strap removal, insect or disease treatment, grate removal, sidewalk repair, etc.

8. ***Comments*** - It may be helpful to include on the data sheet a space for comments or a *miscellaneous* column with corresponding codes. Information could include specific insect or disease problems, vicious dog on site, potential champion tree, or other items unique to your management needs.

TREE INVENTORY

Ward or Area:_____ Rated by:_____ Date:_____

Location	Address	Tree #	Location	Land Use	Tree Height	Condition	Insect/Disease	Type of I & D	Utilities Code	Type of Utilities	Sidewalk	Spacing	Closest to Corner	Terrace Width	Maintenance Codes

Tree # = # Designated	Tree Height Code	Insect or Disease Y or N	Maintenance Codes
Location Code	1 = 0-15'	1 = Cankerworms	0 = Plant
S = side	2 = 15-30'	2 = D.E.D.	1 = Remove
X = Vacant Space	3 = 30-45'	3 = Oak Wilt	2 = Routine Prune
O = Open Space	4 = 45-60'	4 = Apple Scab	3 = Visibility Prune
M = Median Strip	5 = >60'	5 = Leaf Miner	4 = Training Prune
		6 = Pine Bark Beetles	5 = Remove Suckers
Land Use	Condition Codes	Site	6 = Remove Stakes
R = Residential	Excellent = 90%	Utilities Y or N	7 = Remove Wrap
C = Commercial	Good = 75%	A = Above Ground	8 = Add Mulch
I = Industrial	Fair = 50%	B = Below Ground	9 = Watering Program
	Poor = 30%	Sidewalk Y or N	10 = Fertilize
	Rapid Decline = 15%	Spacing = Both Sides of Street	11 = Bolt or Cable
		Closest to Corner Y or N	12 = Fix Sidewalk/Curb
		Terrace Width in Feet	

Figure 1 - Sample Tree Inventory Data Form.

What Trees to Inventory

Communities typically inventory only trees for which they are directly responsible, i.e., those on municipally owned or controlled property. However, an inventory of trees on private property can be useful

continued on page 10

Events, cont.

February 3-5, 1997 - ***Trees & Utilities National Conference***, Arbor Day Farm Lied Conference Center, Nebraska City, Nebraska. Contact National Arbor Day Foundation, 402-474-5655

August 2-6, 1997 - ***International Society of Arboriculture Annual Conference & Trade Show***, Salt Lake City, UT. Contact: ISA, 217-355-9411.

September 16-20, 1997 - ***8th National Urban Forestry Conference***, Atlanta, GA. Contact: American Forests, 202-667-3300.

If there is a meeting, conference, workshop, or other event you would like listed here, please contact Dick Rideout at (608) 267-0843 with the information.