Work closely with the client to gain an understanding of the tree's needs. He also believes in charging for a tree survey or inventory (this is a business, after all).

Trees and their caretakers have to deal with a myriad of insects. Nielsen says a healthy plant will go a long way toward reducing the need for major tree repair and pesticide applications: quality plants, not pest control.

ATHLETIC TURF

Artificial turf injuries appear to be on the rise

Artificial turf is hurting athletes, say an overwhelming number of college athletic directors. The athletic directors, from schools in the National Collegiate Athletic Association (NCAA), cited increased injuries to knees, ankles and elbows as the main reason they preferred natural fields.

Of the 177 who responded, almost 68 percent opposed synthetic surfaces. That included some Division 1A schools which currently have artificial fields. Only 23 percent support artificial turf, while the others are undecided.

BASF Corporation Fibers Division sponsored the survey. Respondents averaged more than 21 years experience in coaching and athletic administration.

More than half of the respondents, 53.1 percent, see a trend back to natural fields.

Comments from respondents characterized artificial surfaces as "too hard," "abrasive," with no give. Besides knee, ankle and elbow injuries, burns and contusions also topped the list.

An athletic director at a Division 1AA school in Illinois agrees "totally with our players and coaches that the injury situation is considerably worse when we play on artificial turf. If the players and coaches have their way, we will soon have all natural fields again."

Several coaches, however, favored synthetic turf. One service academy official said, "The main problem is footwear, not the turf." A Division III administrator said, "Our players learned to fall and run appropriately on the artificial surface."

Despite the controversy, some schools take a pragmatic approach to the matter. "Our coaches want to practice on natural grass," one administrator reported, "but play games on artificial."

For more information on athletic field safety and care, reprints of "Sidelined" and "Hard Knocks" from continued on page 12