

VI. Desired Maintenance Process

C-1.0 Daily Maintenance:

A. MORNING

1. Inspect Har-Tru surface for minor scuffing. If baseline areas require divot repair, lute and re-dress as necessary.
2. Remove any weed growth problems and foreign debris from the surface.
3. Inspect tapes and nails for lifting or shifting.
4. Groom surface with an Aussie Clean Sweep, Court Rake or a Drag Brush. Make wide turns with the Drag Brush to avoid accumulation of Har-Tru material. The Aussie Clean Sweep serves a dual purpose; as a smoothing/leveling tool (with teeth in the up position) and a debris remover (with teeth in the down position).
5. Sweep the line tapes. Ensure the line tape area beneath the net has been swept. Use a Line Scrub to remove surface material that adheres to the line tape.
6. Roll the surface if necessary. Make wide turns. Avoid twisting and turning motions that cause surface damage.
7. Sweep the tape lines after the surface has been rolled for a cleaner looking line (optional).
8. Ensure that the net and center strap is set correctly.
9. Clean benches, coolers, cooler stands, ect. If these items are kept on-court during the season, move them and groom the surface below on a regular basis.
10. Wash out the Tennie Two-Step on a daily basis if possible.
11. Inspect Windscreens.
12. Ensure Line Sweeper, Aussie Clean Sweep, Court Rake and Drag Brush are stored properly and do not pose a hazard to players.

B. MID-DAY

Mid-day maintenance keeps the court looking and playing as well during late afternoon as it plays in the morning. The ideal situation would be for maintenance time to be scheduled so courts could be brushed, lines swept and the surface watered properly. The moisture level in the court profile should remain adequate until the next maintenance period.

C. EVENING

Adequate brushing and thorough watering will ensure quality playing conditions the following day.

1. Brush in alternate directions, particularly around baseline areas to smooth surface prior to watering. Alternate direction of brushing on a nightly basis.
2. Water the court in a "cycling method" to accomplish a thorough watering during the course of an evening with as little run-off of water

as possible. Proper timing of watering cycles is best determined by observation. The ideal situation would be for the court profile to retain adequate moisture until the next maintenance period.

7.0 PERIODIC MAINTENANCE

1. Inspect court surface material for any build-up to be removed; particularly along the net-line.
2. Inspect the court surface for weed growth. Algae control is best achieved by following these guidelines:
 - a. Agitate low traffic areas on the court periodically. Use the Court Rake, Lute/Scarifier, Steel Bristle Drag Brush, Court Devil or the Lee Tow Scarifier.
 - b. Stay on top of growth problems by regular observation and **preventive** maintenance practices such as frequent surface agitation.
 - c. **Consult** your local county agricultural cooperative extension agent prior to the purchase and application of any chemicals.
 - d. **Always** read the entire chemical label and follow any safety precautions prior to application.
3. Periodic leveling/smoothing of the court surface may be required, particularly in areas of heavy play. The best time of the day for smoothing the surface is during the afternoon when the surface is drier, just before turning on the watering cycle. Use a regular or Steel Bristle Drag Brush.
4. Periodic observation of the irrigation heads while irrigation system is running is the best preventive measure to ensure thorough and even water distribution.

8.0 END OF SEASON MAINTENANCE

1. Tennis Nets: Remove and attach a tag noting any repairs needed.
2. Windscreens: Inspect for needed repairs, label for easy relocation next season and fold neatly for storage in a plastic bag. Wait until the windscreen is dry (afternoon) before removing. Fence maintenance during the "off-season" can be accomplished much easier without the windscreens hanging on the fence.
3. Net posts: Remove and inspect for repairs.
4. Cover net postholes to prevent water, surface material and debris from entering during the off-season.
5. Remove the tapes and nails. Ensure all nails have been removed from the court surface.
6. Coolers: Wash inside and out. Repair spouts if necessary.
7. Benches: Wash, repair and paint if necessary.
8. Line Sweepers, Drag Brushes and other accessories: Wash clean, inspect for repairs and hang properly to protect the bristles.

9. Roller: Consult owner's manual for proper servicing.
10. Aussie Clean Sweep: Wash clean, inspect for repairs and hang to protect rubber matting.

9.0 END OF SEASON HAR-TRU SURFACE MAINTENANCE

1. Brush and roll repeatedly to fill in and compact old nail holes.
2. Covering court surface with a nylon reinforced plastic cover for the winter months reduces the amount of reconditioning required the following spring.

10.0 FALL SURFACE RECONDITIONING

Fall surface reconditioning is increasing in popularity because the tennis courts can be opened earlier in the spring when demand for play is strong and time available for reconditioning is short, particularly during a wet spring. The maintenance staff is under less time constraint in the fall, allowing for better quality control in providing a superior playing surface. More time is available for other important (and often postponed) spring maintenance duties around the tennis court. Fall weather patterns are more stable & predictable for reconditioning. Initial expense to purchase a tennis court cover is justified considering the life of the cover, benefits to the players and increased productivity of the maintenance staff.

11.0 WINTERIZING THE IRRIGATION SYSTEM

1. Turn off main water supply.
2. Ensure manual valves at base of sprinkler heads are open.
3. With an air compressor, blow out the irrigation lines by activating each zone separately for approximately 5 minutes, do not exceed 60 psi. Open each zone valve box cover and inspect valves for any needed repairs while the system is being blown out.
4. Repeat step 3 until all water has been blown through the system.
5. Remove any debris from inside the valve boxes.
6. Replace valve box lids.
7. Note any repairs or improvements needed for the system before the next season

12.0 CONTINUING EDUCATION

Several educational aids are available for staff training; the General Maintenance Outline for Har-Tru Tennis Courts, the Maintenance Video, the maintenance DVD and other resources. Visit our web-site at www.leetennis.com for additional information. These products are ideal for keeping your staff informed, on a regular basis about the most efficient methods of Har-Tru tennis court maintenance.

Note: A copy of the Har-Tru Maintenance Manual is included with your report for your review.