

## the Memorial Tournament (PGA TOUR)

Muirfield Village Golf Club • Dublin, Ohio • June 6-9, 2024

### Director of Grounds

#### Chad Mark, GCSAA

Years as GCSAA Member: 26

Years at Muirfield: 8

Years as a Superintendent: 21

Previous Courses: Inverness Club, Sand Ridge GC, Kirtland CC

Hometown: Washington Court House, Ohio

Education: Ohio State University

Professional Tournaments Hosted: This is Mark's 8<sup>th</sup> Memorial Tournament. He also hosted the 2020 Workday Charity Open.

For superintendent contact info, contact Mike Strauss, GCSAA at [mstrauss@gcsaa.org](mailto:mstrauss@gcsaa.org) or 785-865-8444

### Other Key Golf Personnel

Assistant Superintendents – Drake Cleghorn, Mitchell

Cofer, Seamus Foley, Connor Quigley

Bill Claytor, Equipment Manager

Eric Perkins, Tournament Operations Assistant

Number of Employees: 50

Number of Tournament Volunteers: 35

Golf Course Dog: Duke, 1-year-old golden retriever

### Course Architect

Architect (year): Jack Nicklaus (1974)

Renovation Architect (year): Jack Nicklaus (2020)

### X

Superintendent - @chadmark614

Tournament - @MemorialGolf

GCSAA - @GCSAA

Tournament Fact Sheets for the PGA TOUR, LPGA, PGA TOUR Champions, Korn Ferry and Epson Tours and USGA and PGA of America championships can be found at: <https://www.gcsaa.org/media/tournament-fact-sheets>

### Tournament Set-up

Par: 36-36--72

Yardage: 7,569

### Course Statistics

Average Green Size: 5,000 sq. ft.

Acres of Fairway: 24

Acres of Rough: 110

Number of Sand Bunkers: 68

Number of Water Hazards: 13

Number of Holes Water is in Play: 13

Soil Conditions: Clay

Water Sources: Pond, well

Drainage Conditions: Fair

### Turfgrass

Greens: Bentgrass .090"

Collars: Bentgrass .275"

Approaches: Bentgrass .275"

Tees: Bentgrass .275"

Fairways: Bentgrass .350"

Rough: Kentucky blue / rye / fescue 4"

### Additional Notes

- No. 16 tee was moved 25 yards to the right and a greenside bunker was removed.
- Course has seen more rain than season averages in May creating challenges.
- A state of the art maintenance facility opened in October 2023.
- Maintenance crew has 10 interns who have come from France, South Africa, Tennessee, Purdue, Michigan State, Ohio State and Eastern Kentucky.
- Mak has had 6 assistants transition into superintendent roles in the last 7 years.
- Two of Mark's sons work at the club, including Drew, who is a tuft student at Ohio State University. (more on next pages)

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Since 1926 the Golf Course Superintendents Association of America (GCSAA) has been the top professional association for the men and women who manage golf courses in the United States and worldwide. From its headquarters in Lawrence, Kan., the association provides education, information and representation to 20,000 members in more than 78 countries. GCSAA's mission is to serve its members, advance their profession and improve communities through enjoyment, growth and vitality of the game of golf.

## GCSAA Notes (PGA TOUR - Primary Courses Only)

### 2024 Notable For Courses Played (thru RBC Canadian, June 2)

(does not include Mexico Open or Puerto Rico Open)  
(this week's course in red)

#### 2024 Longest Courses Played

7,765 – Torrey Pines South (Farmers Insurance)  
7,670 – Corales (Corales Puntacana)  
7,609 – Valhalla (PGA Championship)  
7,596 – Kapalua Plantation (Sentry)  
**7,569 – Muirfield Village (Memorial)**  
7,558 – Quail Hollow (Wells Fargo)  
7,545 – Augusta National (Masters)  
7,466 – Bay Hill (Arnold Palmer)

#### 2024 Shortest Courses Played

6,972 – Pebble Beach (AT&T PB Pro-Am)  
7,044 – Waialae (Sony)  
7,084 – Hamilton (RBC Canadian)  
7,147 – PGA National Champion (Cognizant)  
7,187 – PGA West Stadium (American Express)  
7,213 – Harbour Town (RBC Heritage)  
7,261 – TPC Scottsdale Stadium (WM Phoenix)  
7,275 – TPC Sawgrass Stadium (The Players)  
7,289 – Colonial (Charles Schwab)

#### 2024 Largest Avg. Greens by sq. ft. Played

8,722 – Kapalua Plantation (Sentry)  
7,500 – Bay Hill (Arnold Palmer)  
7,500 – Riviera (Genesis)  
7,100 – Waialae (Sony)  
7,069 – TPC Scottsdale Stadium (WM Phoenix)  
7,000 – Memorial Park (Texas Children's)  
7,000 – PGA National Champion Cognizant)

#### 2024 Smallest Avg. Greens by sq. ft. Played

3,500 – Pebble Beach (AT&T PB Pro-Am)  
3,700 – Harbour Town (RBC Heritage)  
**5,000 – Muirfield Village (Memorial)**  
5,000 – Colonial (Charles Schwab)  
5,000 – Valhalla (PGA Championship)  
5,000 – PGA West Stadium (American Express)  
5,000 – Torrey Pines South (Farmers Insurance)

### 2024 Courses by Greens Turf Type Played

12 - Poa (American Express, Farmers Insurance, Pebble Beach, WM Phoenix, Genesis, The Players, Valspar, Texas Children's, RBC, Zurich, Wells Fargo)  
5 - Bermudagrass (Sentry, Sony, Cognizant, Arnold Palmer, Myrtle Beach)  
**6 – Bentgrass** (Masters, Byron Nelson, PGA Championship, Charles Schwab, RBC Canadian, **Memorial**)  
1 – Supreme Paspalum (Corales Puntacana)

### 2024 Tournaments by State Played So Far

4 – Florida  
4 – California  
4 – Texas  
2 – Hawaii  
2 – South Carolina  
1 – Arizona  
1 – Georgia  
1 – Louisiana  
1 – North Carolina  
1 – Kentucky  
**1 - Ohio**

### All 2024 Tournaments by State (multiple events)

5 – California  
4 – Florida  
4 – Texas  
3 – North Carolina  
2 – Hawaii  
2 – Georgia  
2 – South Carolina

(more on next page)

## GCSAA Notes (PGA TOUR - Primary Courses Only)

### 2023 Full Year

*(this week's events in red)*

#### 2023 Longest Courses (7,500+)

7,765 – Torrey Pines (Farmers Insurance)  
7,670 – Puntacana Resort (Corales Puntacana)  
7,596 – Plantation Course (Sentry TOC)  
**7,571 – Muirfield Village (the Memorial)**  
7,545 – Augusta National (The Masters)  
7,538 – Quail Hollow (Wells Fargo)

#### 2023 Shortest Courses

6,828 – Port Royal (Butterfield Bermuda)  
6,852 – TPC River Highlands (Travelers)  
6,972 – Pebble Beach (AT&T Pebble Beach)  
7,005 – Sea Island (The RSM Classic)  
7,044 – Waialae CC (Sony Open)

#### 2023 Largest Avg. Greens by sq. ft.

8,722 – Plantation Course (Sentry TOC)  
8,300 – El Cardonal (World Wide Tech)  
8,000 – Port Royal (Butterfield Bermuda)  
7,500 – Riviera (Genesis Inv.)  
7,500 – Bay Hill (Arnold Palmer)  
7,400 – TPC Summerlin (Shriners)

#### 2023 Smallest Avg. Greens by sq. ft.

3,500 – Pebble Beach (AT&T Pebble Beach)  
3,700 – Harbour Town (RBC Heritage)  
4,300 – TPC Southwind (FedEx St. Jude)  
4,500 – Albany (Hero World Challenge)  
4,500 – Oak Hill (PGA Championship)  
5,000 – PGA West Stadium (American Express)  
5,000 – Torrey Pines (Farmers Insurance)  
**5,000 – Muirfield Village (the Memorial)**  
5,000 – Colonial CC (Charles Schwab)  
5,000 – TPC River Highlands (Travelers)

### 2023 Course by Greens Turf Types

**16 – Bentgrass**  
13 – Bermudagrass  
11 – Poa  
2 – Paspalum

## GCSAA Notes (PGA TOUR - Primary Courses Only)

### Longest GCSAA Membership

44 – Stanley Reedy, CGCS (Sanderson)  
41 – Sam MacKenzie, CGCS (BMW Champ)  
38 – Brian Sullivan, CGCS, MG (Am. Express)  
37 – William B. Owen III (Masters)  
35 – Roby Robertson, CGCS (Valero Texas)  
35 – Kevin Welker, CGCS (World Wide Tech)  
34 – Dale Hahn, CGCS (Shriners)

*Note: Avg. GCSAA membership years for host superintendents is 19.5.*

### Superintendents by Alma Mater (if known)

3 – Mississippi State  
**3 – Ohio State**  
3 – Penn State  
3 – Rutgers  
2 – University of Guelph (Canada)  
2 – Michigan State