

2025 ASCE Mid-America Student Symposium

CONCRETE CORNHOLE COMPETITION RULES

All requests for information and clarifications should be sent to:
nebraskasymposium.2025@outlook.com

OBJECTIVE

The objective of the concrete cornhole competition is to use knowledge of concrete mix proportions students have learned in their classes. The constructed board will be used in a friendly cornhole competition.

OVERVIEW

Each school will provide a design and constructed cornhole board made of concrete. The boards will be used in single elimination cornhole tournament; matchups will be determined at random. Judging will be based on tournament placement, aesthetics, and technical components including the mix design of the concrete.

EVENT DESCRIPTION

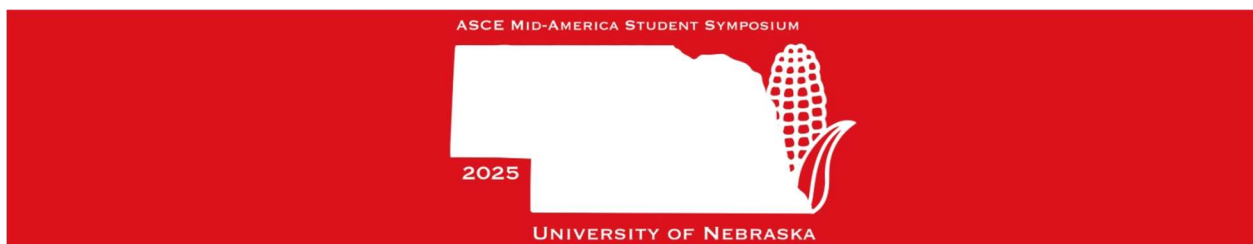
Each university can enter **ONE** team consisting of **2-4 students**.

- Only **TWO** teammates can play in a game of cornhole, but teams can choose to switch players at the end of each game.

DESIGN REQUIREMENTS

Boards Dimensions:

- a. The board is to be 4 feet in length by 2 feet in width.
- b. The hole will be 6 inches in diameter, 9 inches from the top of the board and centered at 12 inches from each side of the board.
- c. The front edge of the board shall be 4 inches from top to bottom and the back 12 inches from the ground to the highest point of the board's face. There is no minimum or maximum requirement for the thickness of the concrete board.
- d. The allowable tolerance for all dimensions is ± 0.25 inches.



- e. 5 points will be awarded to the team with the lightest board (the board must be eligible for tournament play). All other teams will receive a score of zero for the weight of board category.

Support Structure:

- Teams have the choice to make legs for their boards out of wood or poured as part of the mold.
- Dimensions for the board including the support structure are mentioned in the Board Dimensions section under Part c.

Board Aesthetics:

- Teams have free range on the theme of their board, but it must remain appropriate. The judges can and should deduct points for inappropriate themes.
- The board can be finished with a variety of stains, sealers, and textures.
- Stickers/decals are not permitted.
- The university represented must be displayed on the board.

MIX DESIGN

Each team will complete a mix design spreadsheet to be submitted to the judges by emailing nebraskasymposium.2025@outlook.com by 02/13/2025. The subject line must read “University Name – Concrete Cornhole Competition Mix Design” and the document must include the information listed below:

- Any cementitious material is allowed.
- Aggregates must be retained on a #200 sieve and at least 75% of aggregate by mass must pass a 1/2 inch sieve.
- Any admixture is allowed.
- Teams can use fiber reinforcement or reinforcement grid. No “bar” type reinforcement is permitted including but not limited to aluminum, steel, basalt, etc.

TOURNAMENT PLAY

A random bracket will be created to determine what schools play each other. Teams may be disqualified from the tournament due to a failure in their board, failure to conform to the board dimensions described above, and failure to conform to the mix design rules. If a board breaks during a game, the team forfeits the game, and they may not receive points for the tournament play portion of the rubric.

Each team will choose two players to compete in a cornhole game. Teams may decide to switch out players only after the completion of a game.



The rules for cornhole games will follow most of those of tradition cornhole games. Boards will be placed 27 feet apart at the front edge as well as players must pitch behind the front edge of the board. Teammates will not be pitching towards the same board; you will be pitching opposite of your teammate.

Each game is played until 21 points with unlimited rounds. A “bust” occurs if either team exceeds 21 points, consequently, the team in offense will start the next round at 15 points. A round is complete after 8 bags are thrown; 4 from a player on each team, alternating who throws. The next round will be played by the other designated team members who did not participate in the previous round. They too will throw 4 bags each. The score must be recorded after each round.

Cornhole is played by cancellation scoring; the points from Team A can cancel out the points from Team B and vice versa. For example, if Team A gets a bag in the hole and one on the board for 4 points, and Team B only gets one bag on the board for 1 point, Team A will score 3 points. Cornhole bags that land on the board and remain there after all bags are pitched will count for 1 point. Any bag that falls through the hole is worth 3 points. No points will be awarded if a bag bounces off the ground and onto the board. A foul will be called if a player steps beyond the front edge of the board while pitching, resulting in no points from the pitch.

Tournament results matter! How a team places in the tournament will determine how many points they get for the tournament portion of the scoring rubric. Reference the scoring rubrics for a more detailed breakdown.

SUBMISSION

All teams must submit their mix design spreadsheet to nebraskasyposium.2025@outlook.com by 02/13/2025. The subject line must include “University Name – Concrete Cornhole Competition Mix Design”. In addition to the mix design spreadsheet, teams must be able to present a completed board at the time of the competition to be judged and used in the tournament.

SCORING (50 pts.)

Category	Score
Aesthetics	/10
Board Dimensions	/15
Mix Design	/15
Tournament Placement	/5
Weight of Board	/5
Total	/50



1. Aesthetics (10/50)

Aesthetics will be judged on creativity, originality, and quality of design. A maximum of 10 points can be awarded. Teams will receive 0 points for inappropriate designs or use of prohibited materials. Points will be docked for not displaying the name of school being represented, poor designs, lack of creativity, and lack of originality.

2. Board Dimensions (15/50)

Teams whose boards meet all the specified board dimension criteria will receive full points for this category. Any team found in violation will automatically receive a 15-point deduction and disqualification from tournament play.

3. Mix Design (15/50)

Failure to meet any of the mix design criteria will result in a 15-point deduction.

4. Tournament Placement (5/50)

Teams will be awarded points based on their placement in the concrete cornhole tournament. The team that wins first place in the bracket will receive 5 points, second place will receive 3 points, and third place will receive 1 point. All other teams will receive a zero in the tournament category.

In the event of a board failure (complete, catastrophic failure) during a game, the team automatically forfeits the game. If the game was being played for 1st place, the team whose board broke would receive 2nd place. If the team was playing for 3rd place and their board broke, they would receive 4th and ultimately no points would be awarded to them. We expect minor cracking and breaking, but it is up to the judge's discretion to determine if a board is playable or not.

5. Weight of Board (5/50)

To add an extra challenge, each team will be judged on the weight of their cornhole board. The team with the lightest board will receive 5 points, 2nd lightest board will receive 3 points, 3rd lightest board will receive 1 point, all other teams will receive 0 points.



DETAILED SCORING TABLE

Category	Scoring Criteria			
Aesthetics	High quality design 10 Points	Moderate quality design 5 Points	Poor quality design 3 Points	No design or very sloppy design 0 Points
Board Dimensions	Adheres to board dimensions 15 Points	-	-	Fails to adhere to board dimensions 0 Points
Mix Design	Adheres to mix design criteria 15 Points	-	-	Fails to adhere to mix design criteria 0 Points
Tournament Play	1 st Place 5 Points	2 nd Place 3 Points	3 rd Place 1 Point	Does not place 0 Points
Weight of Board	Lightest Board 5 Points	2 nd Lightest Board 3 Points	3 rd Lightest Board 1 Point	Else 0 Points

Mix Design Spreadsheet

2025 Concrete Cornhole Competition				
University:				
Material	Type	Amount Used (lb)	Specific Gravity	Proportion (lb/ft ³)
Cementitious Materials				
Aggregates				
Fluid				
Admixture				
Totals				

