

# The Rules

## Youth Human Powered

Division I: through 8th Grade

Division II: 9th—12th Grade

- \* Pumpkins shall weigh 4-8 lbs.
- \* Machines shall have either springs, Rubber cords, counter-weights, or any Other device which uses stored power of 1 (one) human being in a maximum of 2 minutes.
- \* Machine must be able to reload and Fire in 15 minutes
- \* Machines must be designed, built, loaded and fired by children of this age group.
- \* All other rules apply.

## Adult Human Powered

- \* Pumpkins must weigh 8 to 10 lbs
- \* Machines shall have either springs, Rubber cords, counter weights, or any other device which uses stored power of 1 (one) human being in a maximum of 2 minutes.
- \* Machines must be able to reload in 15 minutes.

## Open Class

- \* Pumpkins must weigh between 8 and 10 lbs.
- \* Pumpkins may not be altered in any way.
- \* Pumpkins may be painted for color code by officials
- \* All pumpkins must be in their natural state.
- \* Pumpkins must leave the machine intact.
- \* No part of the machine may cross the firing line.
- \* **No explosives are allowed.**
- \* Any machine should be able to reload and chuck in a reasonable amount of time.
- \* Teams may only enter one category per machine
- \* All machines must have a sign in front of their area.
- \* The open class consists of machines, other than human powered, which fall in the following categories

## Open Class Trebuchet

- \* Machine shall use gravity to propel the pumpkin, through the use of swinging/sliding/dropping counterweights
- \* Machine can be cocked by motorized winches or other cranking device.

## Open Class Catapult

- \* Machines will use springs, twisted rope, or other means of stored energy, to “throw” the pumpkin.
- \* Machine can be cocked by motorized winches or other cranking device.

## Open Class Centrifugal

- \* Machines will use centrifugal Force to “throw” the pumpkin
- \* Machine must make at least one revolution before release

## Open Class Air Cannon

- \* Machine will consist of an air tank (s) and barrel.
- \* Machine will use compressed air only, to propel the Pumpkin

## Safety Rules

- 1) A safety restriction of 5 persons per machine will be enforced.
- 2) One team member is required to attend the safety meeting each morning of the contest.
- 3) All machines must pass a safety inspection, and demonstrate one test shot, each morning of the contest.
- 4) All Competition Pumpkins must be weighed at the official Weigh in tent
- 5) **No digging!!!**
- 6) Best of three “Throws” wins!!!!!!

**PLEASE HAVE SOME TYPE OF LARGE SIGN THAT IDENTIFIES YOUR MACHINE AND IS VISIBLE TO THE SPECTATORS.**

**For more information contact: Susan Pyles, Director of Tourism, Village of Morton, P.O. Box 28, Morton, IL. 61550  
Ph. 309-266-5135 Fax 309-266-5508 E-mail: spyles@morton-il.gov**

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