



Computer Requirements for 2020 Western Regional Dairy Challenge

All schools are responsible for bringing computers to the competition. At least two computers per team will be required for this event. One laptop computer per team will be provided; contest data will be distributed on these computers. As such, we are asking that **each school bring at least ONE laptop computer, ideally two or more if available**, with the following minimum requirements; these requirements are minimums – typically, bigger is better. While one of the computers will be loaded with the herd data in DairyComp 305, DHI-Plus and PCDART programs, the other will be used to view contest materials and prepare presentations. In the event of a failure, loaner systems may or may not be available. We strongly encourage you to bring university computers rather than a coach's or student's personal computer for privacy reasons. Note, in addition to school computers, students are encouraged to bring their own computers for accessing the internet and use during preparation time.

Hardware Minimums

Reliable, working, and in-good-condition PC laptop – **absolutely no Macs without installed/configured Parallel (or similar) Software.**

Operating system – Win 7, 8 or 10 (fully patched with current updates).

Administrator logon and password – this is a **MUST HAVE**.

Processor – 1.5Mhz P4 Celeron processor or better.

RAM – **4 Gb** or more.

Hard drive – minimum of 10 GB of free space after all software is loaded.

Video – 800x600 minimum resolution.

USB ports – 1 required, 2 or more better (version 2.0 preferred).

Software Minimums (to be loaded and tested prior to contest)

You are responsible for:

Microsoft Office 2007, 2010, 2013 or 2016 – regardless of version, all updates should be applied.

Anti-Virus software with current, up-to-date virus definitions.

Adobe 9 or higher.

Security and Password Protection:

If bringing university computers that have an Administrator logon and password, this login data must be provided to the IT staff at registration. This should be attached to the PC and should be verified **PRIOR** to arrival at the contest. Also, please do not bring PC's that reset and clear data once turned off.

The contest is responsible for:

- All Herd Data
- All Contest Data
- PCDART
- DairyComp 305
- DHI-Plus

PCDART, DHI-Plus and DairyComp 305 (dairy herd management programs with the herd data) will be installed for you at the contest site.

Additional material

- Digital camera – schools are asked to bring a camera and are responsible for having all memory cards, cables and hardware/software drivers for proper operation. Test before you travel. **Use of cell phones, iPad's, or other similar cameras on farm is prohibited.**
- Calculator, measuring tape, watch/stopwatch, pens and clean notepads.
- **Schools are encouraged to download NRC Nutrient Requirements of Dairy Cattle in advance of the contest** and installed from: <http://books.nap.edu/html/dairymodel/>
- Students are also encouraged to bring a jump/thumb drive to move information between computers.

Failure to meet the stated requirements above will, at a minimum, be a major hindrance on individual team performance and may at worst render the team non-competitive.