SAVE this form to your desktop or computer.
Enter required information and upon completion, return to nvrb@aosca.org
by clicking on this link and attaching the application.

* if unable to submit in Word format, please contact the AOSCA office for assistance.

ASSOCIATION OF OFFICIAL SEED CERTIFYING AGENCIES
SMALL GRAIN VARIETY REVIEW BOARD
OAT APPLICATION – PART B – 2020 - GUIDELINES

This application – Part B – must be submitted along with Part A
(please remember, you may submit ONE Part A application for multiple Part B applications)

Please email the completed applications to:
nvrb@aosca.org
Association of Official Seed Certifying Agencies

All information provided on this application shall be maintained in complete confidence by the Association of Official Seed Certifying Agencies (AOSCA), its staff, and individual members of the AOSCA Variety Review Board. Each member of the Review Board will be required to sign a statement to this effect prior to their receipt of any applications for review. Upon completion of the review process, reviewers will be required to destroy or delete all applications in their possession. One copy of each application will be maintained on file in the AOSCA office.

This application consists of two parts. These four pages are instructions and definitions to assist you in filling out the application. Please do not include them when submitting the Part B application. Please submit only the Part B application along with supporting data and attachments.

Please be aware the Review Board will require that all narrative claims made on behalf of your variety be substantiated by data showing dates and locations. Providing all of the supporting data with your application will avoid delays and assist the Review Board in acting on your application promptly.

Thank you for your cooperation.
Guidelines for Describing Oat Varieties

Oat Characteristics

For the descriptive purposes of this form, an acceptable KNOWN COMMERCIAL VARIETY/SAME MARKET CLASS shall be defined as one which has been approved for certification and is adapted to the same region as the variety being described.

In addition to the instructions listed here, reference materials for your use are cited.

All items should be self-explanatory except:

Variety Description Section:
1. Origin and Breeding History: Include a complete pedigree, breeding method, details of subsequent stages of selection and multiplication, experimental designation, date of release, and any other pertinent data.

2. Distinguishing Characteristics: Provide data for supporting such statements. Statistical analysis of data is encouraged.

Variety Descriptors Section:
3. Factors of Adaptation:
   a. Major diseases may include viruses (e.g. barley yellow dwarf, soil borne mosaic), smuts (e.g. covered, loose), leaf and stem diseases (e.g. crown rust, stem rust, Victoria blight, halo blight, Helminthosporium leaf blotch, powdery mildew, Septoria leaf blotch) or any other diseases of importance to this variety or area of adaptation. Identify specific race reaction when applicable.
   b. Major insects may include cereal leaf beetle, Greenbug (specific biotype), bluegrass billbug or any other insects of importance to this variety or area of adaptation.

4. Plant Characteristics:
   a. Juvenile plant growth habit - as observed at the 6 to 8 leaf stage.

5. Leaves:
   a. Color at booting - Royal Horticultural Chart or Munsell Chart should be used to determine the leaf color.
   b. First Leaf below Flag Leaf
      1) Leaf width should be measured at the widest point
         NARROW = < 12 mm
         MID-WIDE = 12 to 18 mm
         WIDE = > 18 mm
2) Leaf length should be measured from the top of the sheath to the tip of the blade:
   - SHORT = 16 to 20 cm
   - MID-LONG = 20 to 25 cm
   - LONG = 25 cm

6. Time of Heading:
   This character is to be recorded when 50% of the spikes are fully emerged from the boot.

7. Stem:
   a. bending and breakage under field conditions, regardless of plant height.

8. Plant Height:
   This character is measured from the surface of the ground to the tip of the panicle, excluding awns (if present).
   a. Relative:
      - SHORT = 60 to 90 cm
      - MID-TALL = 90 to 120 cm
      - TALL = 120 to 150 cm

9. Panicle:
   a. Shape
      - Equilateral
      - Intermediate
      - Unilateral
   b. Width - average width is measured at the widest point of panicle:
      - NARROW = < 5 cm
      - MID-BROAD = 5 - 8 cm
      - BROAD = > 8 cm
   c. Length of panicle average length is measured from the base of the panicle (first node) to the apex, excluding awns.
      - SHORT = < 10 cm
      - SHORT TO MID-LONG = 11 to 20 cm
      - MID-LONG = 15 - 25 cm
      - MID-LONG to LONG = 20 - 29 cm
      - LONG = > 30 cm
d. Branches:
   Position
   - Ascending
   - Spreading
   - Drooping

e. Shattering - is an observation of the frequency and severity of shattering that occurs under normal growing conditions.

f. Threshability - is an observation of the ease or difficulty of threshing that occurs under normal harvest conditions.

10. Glumes:
   Note: All determinations of glume characteristics were based on observations made on glumes removed from the central one-third of a spike.
   a. Average length
      - SHORT = < 15 mm
      - MID-LONG = 16 to 25 mm
      - LONG = > 25 mm
   b. Color – Royal Horticultural Chart or Munsell Chart should be used to determine the glume color.

11. Lemma:
   a. Average length
      - SHORT = 13 - 16 mm
      - MID-LONG = 16 - 18 mm
      - LONG = > 18 mm
   b. Color at maturity – Royal Horticultural Chart or Munsell Chart should be used to determine the lemma color.

References

The following publications may be used as a reference and for the standardization of terms and procedures for completing the descriptive form.