

# A New Class of Hulless Oats

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**VAO-8**  
(CN 19197)

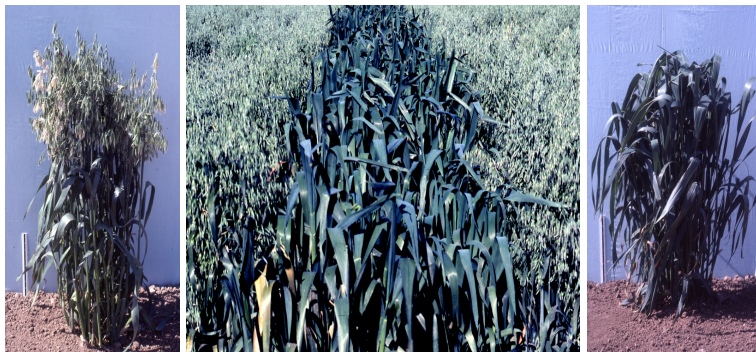
Proposed name: **“GLOBAL”**

## MANY IMPROVEMENTS MADE OVER SEVERAL YEARS

- \*Free threshing (All seeds hulless – no covered seeds. No shattering because no “sucker mouth” abscission base on seeds)
- \*Photoperiod insensitive (Has Di-1 gene from *Avena byzantina*)
- \*Spikelets determinate (Bigger seeds than indeterminate spikelet - reduces combine losses)
- \*Groats glabrous (Gt-1 gene from South Africa)
- \*Organic Oat (Can be sown late in the season after weeds have been destroyed by cultivation)- no herbicide residue)
- \*Green Revolution candidate (Now a day neutral plant)
- \*Salt tolerant (Bred on saline soil in Brawley, California)

The flowering response of a daylength insensitive oat carrying the gene Di-1 (left panel) and that of a daylength sensitive plant not carrying the gene (right panel). The plants were grown in Brawley, California (33N) during the months of October to March. Both plants will flower normally during the summer in Ottawa (45N). Di-1 was found in a specimen of *Avena byzantina* growing in Bodrum, Turkey.

Insensitive (Di-1)    Insensitive    Sensitive    Insensitive    Sensitive



A number of VAO strains, including VAO-8, contain the Di-1 gene.



Bald groats of VAO-8



Panicle with determinate spikelets