

Bermudagrass Tolerance of the Herbicide Sethoxydim

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History

- Sethoxydim tolerant bermudagrass genotype identified (93-175)
- 93-175 selfed and crossed - 116 experimental varieties planted



Sethoxydim Herbicide

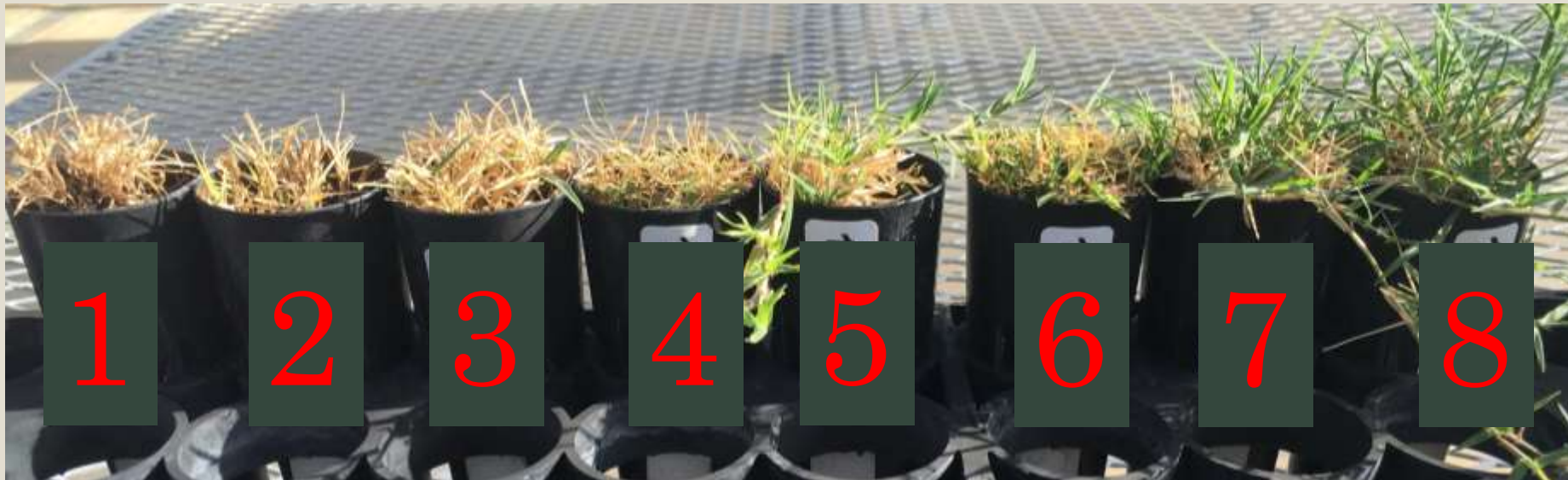


- ACCase herbicides – postemergence grass control in broadleaf crops
 - Annual grass weeds: crabgrass, goosegrass
 - Perennial grass weeds: torpedograss, bermudagrass

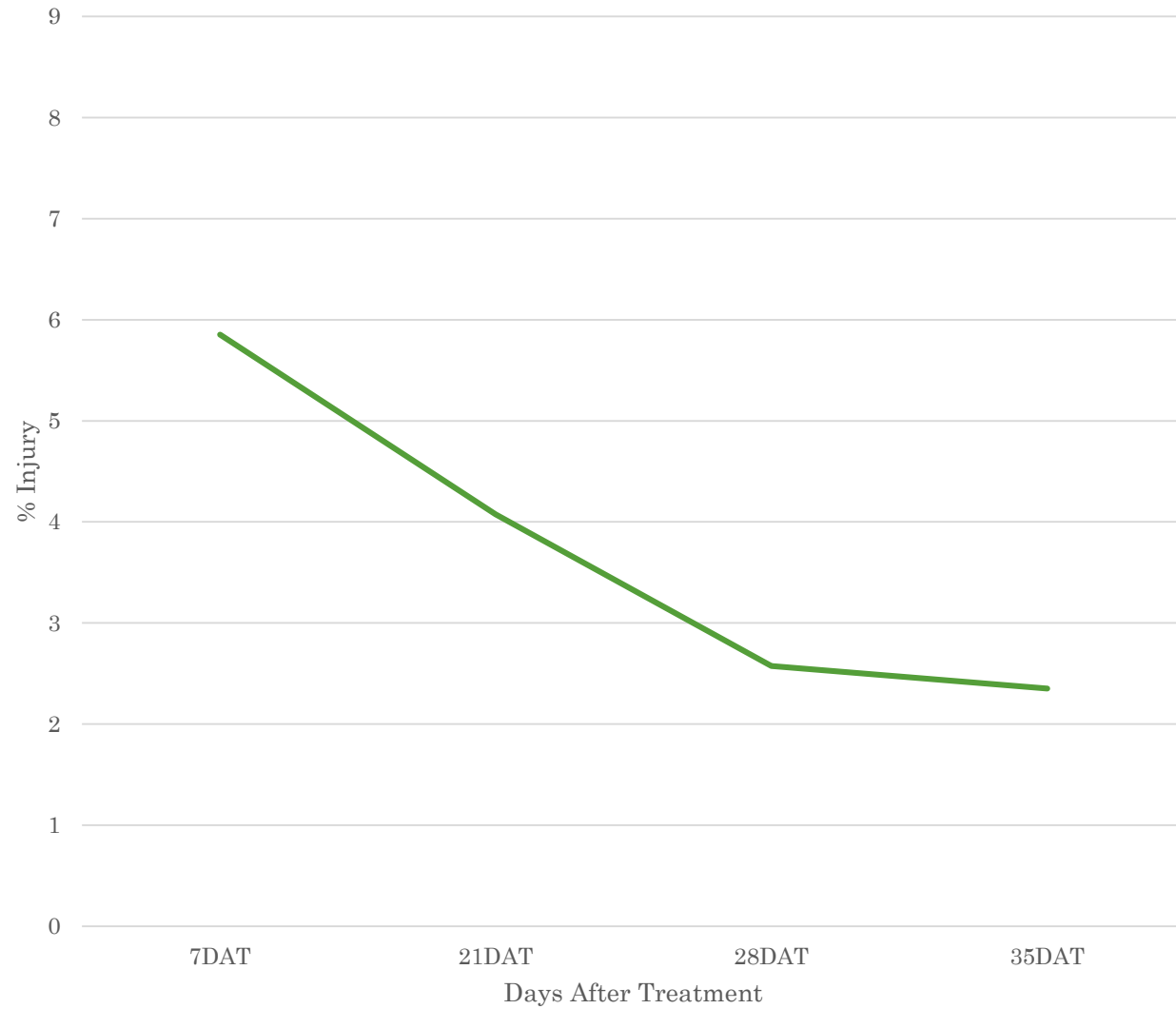


Materials and Methods

- 56 experimental varieties
- 2 standards: Tifway, 93-175
- Tankmix: Sethoxydim and COC at 1x rate
 - Sethoxydim - 1.5 pts/acre
 - COC - 2.0 pts/acre
- Visual ratings: 7, 21, 28, 35 DAT
 - 1-9 scale



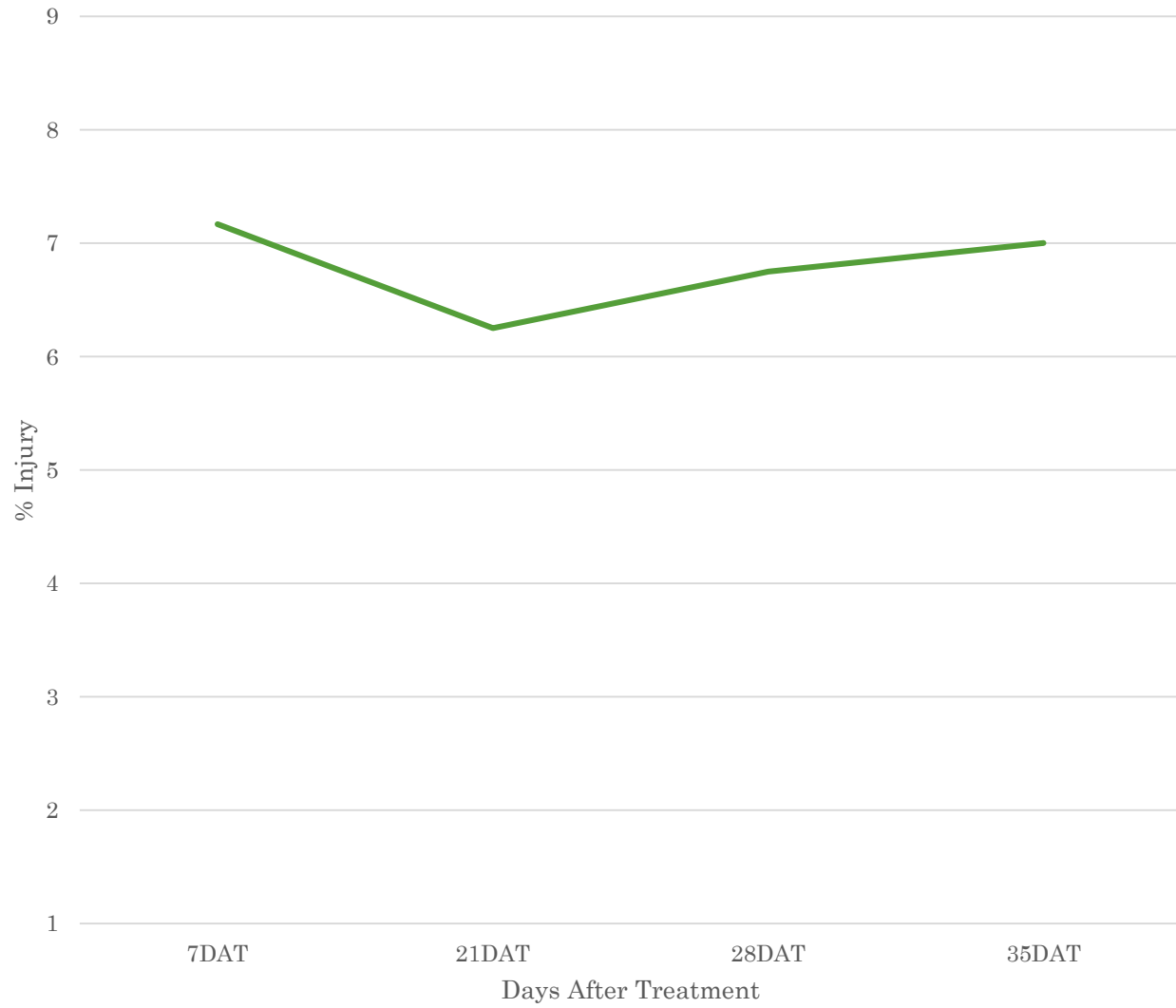
High Level of Injury



- N=9
- **Standard: Tifway**
- High level of injury
- No recovery



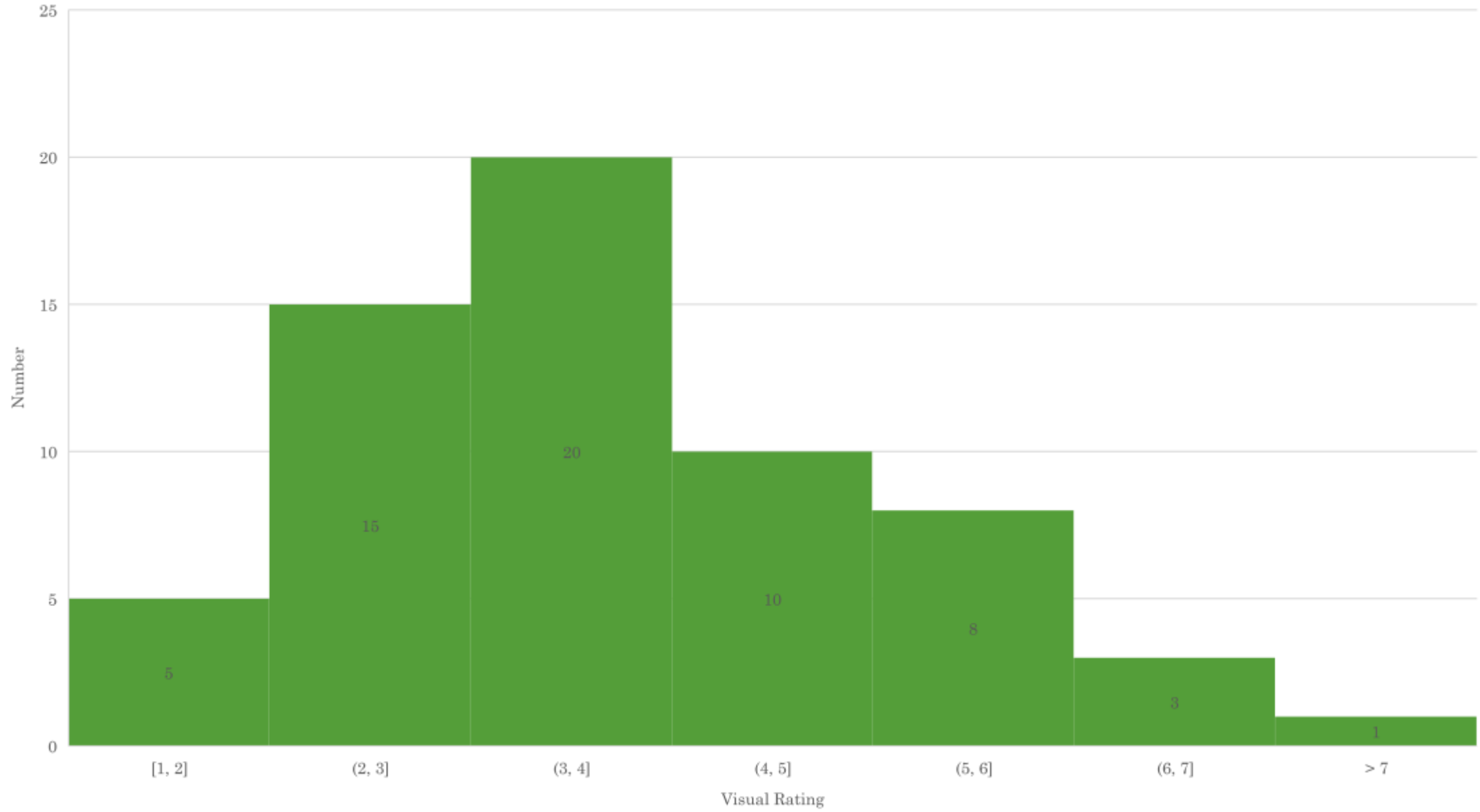
Low Level of Injury



- N=2
- **Standard: 93-175**
- Low level of injury
- High recovery



35 DAT



Conclusion

- Continue greenhouse screen
- Conduct field trial
- Special thanks

Thank you