

AggieTurf (<https://aggieturf.tamu.edu/>)

Zoysiagrass

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Latin Name: *Zoysia* sp.

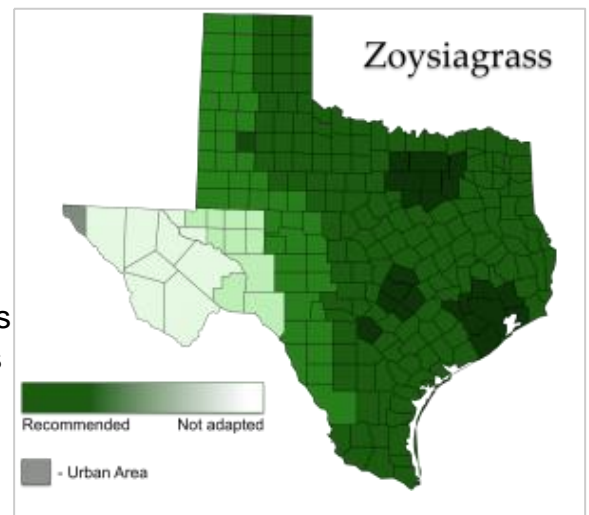
Growth Habit: Rhizomatous and Stoloniferous **Vernation:** Rolled

Leaf: Hairy on upper surface **Ligule:** Fringe of hairs **Auricles:** Absent

Inflorescence: Spike with 3-12 spikelets (*Z. pacifica*)

or 10-50 spikelets (*Z. japonica* and *Z. matrella*)

Description: Zoysiagrass is a warm-season turfgrass that spreads laterally by rhizomes and stolons, and is one of the most diverse turfgrasses available for use. primarily due to the fact that there are at least 11 species of zoysiagrass used as a turfgrass, with 2 species (*Z. japonica* and *Z. matrella*) being most



Zoysiagrass Areas of Adaption

predominate in the southern United States. Available varieties of *Z. japonica* typically possess coarser leaf texture and better cold tolerance relative to varieties of *Z. matrella*, while varieties of *Z. matrella* have improved shade tolerance relative to *Z. japonica*s. Coarser-textured varieties (*Z. japonica*) of zoysiagrass often perform better at higher mowing heights while the finer textured varieties (*Z. matrella*) can tolerate lower mowing heights. However, reel mowers are often necessary to produce adequate turfgrass quality at low mowing heights, which should be taken into consideration during variety selection.

In addition to *Z. japonica* and *Z. matrella* varieties, there are also many available varieties that are interspecific crosses of *Z. japonica* x *Z. matrella* as well as *Z. pacifica* and *Z. tenuifolia*. The difference in appearance and management requirements that exists among these different varieties is often quite large, and therefore it is extremely important to match each variety of zoysiagrass to the appropriate environment and management capacity.

Strengths: Shade tolerance, drought tolerance, cold tolerance, traffic tolerance, and low fertilization requirement.

Weaknesses: Thatch, slow recuperative potential, and mower blades need to be routinely sharpened due to stiff leaf blades. Also, many of the finer textured species have shallow roots which result in less drought hardiness, relative to the coarser textured *Zoysia* species.

Recommended Mowing Height: Home Lawns: 1-2 inches (Rotary mower); Golf and Athletic Turf: 0.5 to 1 inch (Reel mower); Putting Greens: ≤ 0.150 inches (Reel mower).

Recommended Mowing Frequency: Home Lawns: Weekly using a rotary mower; Golf and Athletic Turf: Daily to weekly using a rotary or reel mower; Putting Greens: Daily using a reel mower.

Fertilization Requirements: 1 to 3 lbs N per 1,000 ft² per year. Single application rates should range from 0.5 to 1 lb of N per 1,000 ft² applied during the summer growing season



Zoysiagrass Varieties Available in Texas

Variety	Latin Name	Availability
Carrizo	<i>Zoysia japonica</i> Steud.	Sod
Cavalier	<i>Zoysia japonica</i> Steud. x <i>Zoysia matrella</i> (L.) Merr.	Sod
Chinese Common	<i>Zoysia japonica</i> Steud.	Seed
Compadre	<i>Zoysia japonica</i> Steud.	Seed/Sod
Crowne	<i>Zoysia japonica</i> Steud. x <i>Zoysia matrella</i> (L.) Merr.	Sod
Cutlass	<i>Zoysia japonica</i> Steud.	Sod
Diamond	<i>Zoysia matrella</i> (L.) Merr.	Sod
El Toro	<i>Zoysia japonica</i> Steud. x <i>Zoysia matrella</i> (L.) Merr.	Sod
Emerald	<i>Zoysia japonica</i> Steud. x <i>Zoysia pacifica</i> (Goudswaard) M. Hota & Kuroki	Sod
Empire	<i>Zoysia japonica</i> Steud. x <i>Zoysia matrella</i> (L.) Merr.	Sod
Geo	<i>Zoysia japonica</i> Steud. x <i>Zoysia tenuifolia</i> Willd. Ex Thiele	Sod
Jamur	<i>Zoysia japonica</i> Steud. x <i>Zoysia matrella</i> (L.) Merr.	Sod
Meyer	<i>Zoysia japonica</i> Steud.	Sod
Palisades	<i>Zoysia japonica</i> Steud. x <i>Zoysia matrella</i> (L.) Merr.	Sod
Pristine Flora	<i>Zoysia matrella</i> (L.) Merr.	Sod
Royal	<i>Zoysia japonica</i> Steud. x <i>Zoysia matrella</i> (L.) Merr.	Sod
Ultimate Flora	<i>Zoysia matrella</i> (L.) Merr.	Sod
Y-2	<i>Zoysia japonica</i> Steud. x <i>Zoysia matrella</i> (L.) Merr.	Sod

Variety	Latin Name	Availability
Zenith	Zoysia japonica Steud.	Seed/Sod
Zeon	Zoysia japonica Steud. x Zoysia matrella (L.) Merr.	Sod
Zorro	Zoysia japonica Steud. x Zoysia matrella (L.) Merr.	Sod



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https://www.youtube.com/watch?v=bIY16p_RVJU)



<https://twitter.com/AggieTurf>)

Texas Turfgrasses -(<https://aggieturf.tamu.edu/texas-turfgrasses/>)

Turfgrass Weeds (<https://aggieturf.tamu.edu/turfgrass-weeds/>)

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