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🔧 DIY Pest & Lawn – Full Regeneration + Chinch Bug & Weed Control Plan

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🔍 THE PROBLEM

- Active chinch bug infestation in St. Augustine grass.
- Heavy broadleaf and grassy weed pressure.
- Lawn stress and thinning turf needing recovery + rebuild.

✅ STEP-BY-STEP PLAN

Day 1 – Knockdown & Growth Regulation (Completed 8/19 PM)

- Bifen I/T: 2 oz per 1,000 sq ft
- Tekko Pro (IGR): 1 oz per 1,000 sq ft
- Surfactant: 1 tsp per gallon water
- Apply in 1–2 gallons water per 1,000 sq ft.

(Already completed by Richard.)

Day 7 – Follow-Up & SOAP Test

- Soapy Water Flush Test:

Mix 2–3 tbsp dish soap in 2 gallons water. Pour over edge of damaged area.

- If chinch bugs surface → retreat with Bifen I/T 1 oz per 1,000 sq ft.
 - If no chinch bugs surface → still recommended to retreat with Bifen I/T 1 oz per 1,000 sq ft for insurance.
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Day 14 – Clean-Up / Transition Phase

Option 1: Stay on Contact Sprays

- Apply Bifen I/T 1 oz per 1,000 sq ft if activity persists.

Option 2 (Recommended): Shift to Long-Term Systemic Protection

- Dominion 2L Drench:
 - Turf rate: 0.6 oz per gallon, apply 1 gallon per 1,000 sq ft, water in with ½ inch irrigation.
 - Provides season-long systemic protection as grass uptakes the active ingredient.
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Weed Control (After mowing this weekend)

- Celsius WG (0.226 oz packs):
 - 1 pack in 2 gallons water = covers 2,000 sq ft.
 - Add surfactant.
 - Spot/broadcast across weed-heavy sections.
 - Wait 48 hrs before next mow.
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Fertility + Recovery Support

- GreenEdge 6-2-0 Plus: 12.5 lbs per 1,000 sq ft (1 bag = 3,200 sq ft).
 - K-Mag (0-0-22): 3.5–4 lbs per 1,000 sq ft.
 - SuperCarb+ (optional): 3–6 oz per 1,000 sq ft for rapid rebound.
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WHY THIS WORKS

- Bifen I/T + Tekko Pro: Kill adults + break life cycle.
 - Day 7 SOAP test + retreat: Makes sure no stragglers survive.
 - Dominion 2L (Day 14 option): Systemic long-term protection → lowers spray frequency.
 - Celsius WG: Weed cleanup without damaging St. Augustine.
 - GreenEdge + K-Mag + SuperCarb+: Restore color, density, and strength to turf.
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LONG-TERM DEFENSE & PREVENTION

Insect Rotation (Seasonal)

- Spring (March–April): Talstar XTRA Verge granules, 2.3–4.6 lbs per 1,000 sq ft, watered in.
- Summer (June–July): Arena 0.25G granules, 80–160 lbs per acre (1.8–3.6 lbs per 1,000 sq ft).
- Late Summer/Fall (September): Talstar XTRA Verge again to reinforce chinch bug & mole cricket control.
- Rotate with Cyzmic CS as a liquid spray option during outbreaks to prevent insect resistance.

Weed Prevention (Fall & Spring)

- Barricade 0-0-7 Pre-Emergent:
 - September–October: Apply to block winter annual weeds.

- February–March: Apply again to block spring/summer weeds.
 - Rate: 2–4 lbs per 1,000 sq ft.
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Now Richard has:

- ✓ A 14-day knockdown + rebuild plan
- ✓ Clear weed control + fertility program
- ✓ Seasonal preventive roadmap for insects & weeds