

Anthem Herbicide = premix of Pyroxasulfone (new active) and fluthicet-methyl (active in Cadet).
Anthem ATZ Herbicide = premix of Anthem (as above) and Atrazine.

Anthem / Anthem ATZ Herbicide Value

- **Exceptional residual grass control** - Stronger grass residual than from current residual grass herbicide offerings.
 - Competitive early season control with a plus on sandbur and shattercane, longer residual on late season grasses.
- **Broader spectrum residual broadleaf control** - More broadleaf residual control out of a PRE grass/broadleaf herbicide.
 - Key residual broadleaf weed benefits: Waterhemp, Palmer Amaranth, Pigweed, Kochia, Lambsquarters, Velvetleaf.

Residual and Emerged Weed Control

Wide application window – Early Preplant (45 days) through Early Post (V4) Corn

Anthem Herbicide

- ❖ **Preplant / Preemergence Applications:**
8-10 oz/a = Recommended use rate.

Preplant / Preemergence (fl oz/acre)			
Organic Matter	Coarse	Medium	Fine
Less than 3%	7-8	8-10	9-11
3% or more	7-8	8-11	10-13

- Tank-mix Options to Consider:
Balance®, Atrazine, Hornet®, & Others.
- Follow w/Post Treatment as an Option.

- ❖ **Postemergence Applications (V4):**
8 oz/a = Recommended use rate.

Postemergence (fl oz/acre)		
Coarse	Medium	Fine
5-8	6-9	7-12

- Consider Tank-mix Options.

Applications

- Ground Apply Only.
- EPP through V4 Corn.
- 10 GPA Minimum.
- 15 GPA Min. Preferred.

Burndown Adjuvants

- NIS at 1 qt/100 or
- COC/MSO at 1-2 pts/a.
- AMS/UAN as needed.

Carriers:

- 28% & 32% UAN ok.
- Avoid phosphorus blends.
- Thio-Sul blends ok.

Postemergence Adjuvants

- NIS at 1 qt/100 or
- COC at 1-2 pts/a (1%).
- AMS/UAN as needed.
- Water based carrier.
- Avoid wet foliage.

Anthem ATZ Herbicide

- ❖ **Preplant / Preemergence Applications:**
2.0-2.5 pts/a = Recommended use rate.

Preplant / Preemergence (pts/acre)			
Organic Matter	Coarse	Medium	Fine
Less than 3%	1.75-2.0	2-2.50	2.25-3.0
3% or more	1.75-2.0	2-2.75	2.50-4.0

- Tank-mix Options to Consider:
Balance, Hornet, & Others.
- Follow w/Post Treatment as an Option.

- ❖ **Postemergence Applications (V4):**
2.0 pts/a = Recommended use rate.

Postemergence (pts/acre)		
Coarse	Medium	Fine
1.5-2.0	1.75-2.25	2.0-3.0

- Consider Tank-mix Options.

Modes of Action

Pyroxasulfone = long-chain fatty acid inhibitor - preemergence (root & shoot).
 Fluthicet-methyl = protoporphyrinogen (PPO) inhibitor - postemergence.
 Atrazine = photosynthesis inhibitor - pre and postemergence.

Anthem ATZ Rate	Atrazine (lbs/a)
1.5 pt/a (24 oz)	0.75
2.0 pt/a (32 oz)	1.00
2.5 pt/a (40 oz)	1.25

Formulation

Anthem and Anthem ATZ are both formulated as suspoemulsions (SE). State-of-Art liquid formulations w/excellent mixing in water & fertilizer. Good nitrogen fertilizer mixing, phosphorus blends not recommended. Fine grind of the pyroxasulfone active allows for superior performance.

Coarse	Medium	Fine
Sand, Loamysand, and Sandyloam.	Loam, Silt loam, Sandy clay loam, and silt.	Sandy clay, Silty clay loam, Silty clay, Clay loam, and Clay.

Corn Types

Field corn = grain, seed, and silage.
 Popcorn = including seed.
 Sweet corn = including seed.

Labeling & Crop Rotation

Anthem and Anthem ATZ are currently only labeled for use on corn. All rotated crops are currently 18 months. Anthem label for soybeans / other rotational changes are pending and expected December of 2013. For 2014 use season, Anthem will be labeled for corn & soybeans.

- No** pH or Soil type restrictions.
- No** at-plant insecticide interaction.
- No** herbicide product tank-mix restrictions.