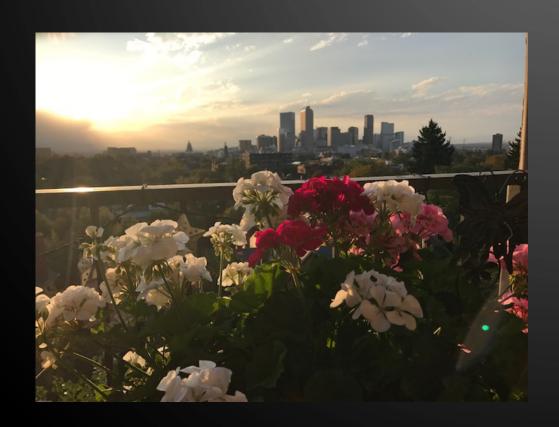
PESTICIDES AND FAMILIES...AZUATIC



RICK ROEHM...
HELENA AGRI ENTERPRISES





THERE ARE CONTACT HERBICIDES...

FIVE ACTIVE INGREDIENTS AND FOUR MODES OF ACTION

AND THERE ARE SYSTEMIC HERICIDES...

NINE ACTIVE INGREDIENTS AND FIVE MODES OF ACTION

AMONG EACH OF THESE, THERE ARE LABEL NUANCES REGARDING DRINKING, SWIMMING, FISHING, IRRIGATING AND THE OVERALL FATE OF THE WATER AFTER YOUR APPLICATION.

IN ADDITION, THE TYPE OF TARGET WEED IS PARAMOUNT TO SUCCESS...



WE HAVE YOUR SUBMERGED WEEDS...







YOU'VE GOT THE EMERGED WEEDS...









FLOATING WEEDS...







AND THE SHORELINE, GRASSES AND DITCHBANK WEEDS CAN BE LUMPED TOGETHER...









FOR TERRESTRIAL WEEDS, CERTAIN FAMILIES OF HERBICIDES (moa's) DO BETTER ON CERTAIN FAMILIES OF WEEDS.

MATCH THE WEED FAMILY WITH THE HERBICIDE FAMILY

FOR AQUATIC WEEDS, CERTAIN FAMILIES (moa's) DO BETTER WITH CERTAIN TYPES OF PLANTS AND HOW THEY GROW







COPPER COMPLEX/SULFATES

AND
HYDROGEN PEROXIDE/PEROXYACETIC ACID

THESE ARE VERY GOOD, SAFE ALGAECIDES AND BACTERIACIDES





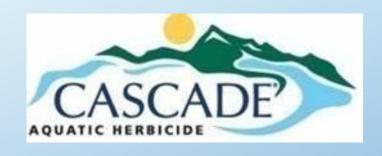
WHILE THE FULL MODE OF ACTION OF ENDOTHOL IS NOT COMPLETELY UNDERSTOOD, IT DOES INHIBIT LIPID AND PROTEIN BIOSYNTHESIS CAUSING MEMBRANE LEAKAGE

VERY BROAD SPECTRUM CONTROL ON SUBMERSED WEEDS
SUCH AS EURASIAN WATERMILFOIL, PONDWEEDS AND HYDRILLA



MOST FORMULATIONS OF ENDOTHOL ALLOW FOR IRRIGATION DITCH APPLICATIONS AS WELL AS TO PONDS AND LAKES...





DIPOTASSIUM SALT IS CASCADE OR AQUATHOL MONO AMINE SALT IS TETON OR HYDROTHOL

DIFFERENT STUFF BUT SAME FAMILY...



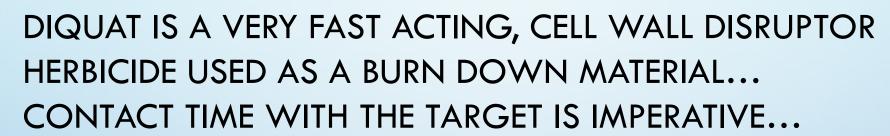
HYDROTHOL IS THE MUCH MORE AGGRESSIVE SALT OF THE TWO...BETTER ALGAECIDE AND CAN BE HARD ON FISH

AQUATHOL DOES NOTHING ON ALGAE AND IS A

POOR WAY TO KILL FISH...













SureGuard



FLUMIOXAZIN IS THE ACTIVE INGREDIENT IN CLIPPER AND SUREGUARD...VERY STRONG PPO ON SUBMERGED AND FLOATING WEEDS

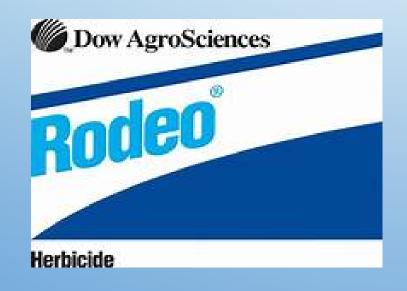
STINGRAY IS THE OTHER PPO INHIBITOR...
FAST ACTING CONTACT MATERIAL, GOOD ON WATER HYACINTH, DUCKWEED AND SALVINIA





SYSTEMIC AQUATIC HERBICIDES INCLUDE...

GOOD OL' GLYPHOSATE. NO IRRIGATION RESTRICTIONS.
NON SELECTIVE. HAS TO CONTACT THE WEED.
AND THE ONLY MODE OF ACTION OF ITS KIND



IMAZAPYR AND IMAZAMOX ARE REAL SIMILAR
ALS INHIBITORS
IMAZAPYR WORKS BEST AS A SPRAY TO EMERGENT
VEGETATION WHILE IMAZAMOX IS GOOD ON
SUBMERSED AND FLOATING WEEDS





GALLEON IS THE BEST ALS INHIBITOR FOR SUBMERSED WEEDS. ALSO WILL GET MANY FLOATING AND EMERGED WEEDS. MINIMAL RESTRICTIONS ON IRRIGATING, NONE ON DRINKING OR OTHER USES



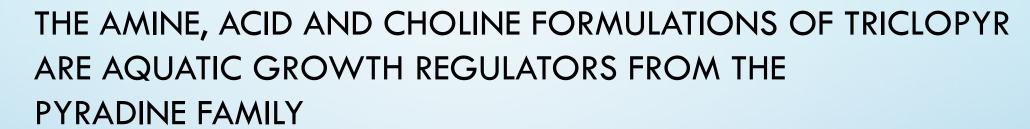


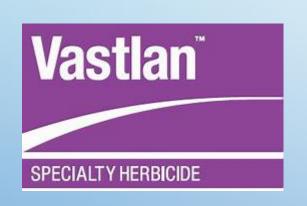


Tradewind

AQUATIC HERBICIDE

BISPYRIBAC-SODIUM IS A BROAD SPECTRUM ALS
HERBICIDE THAT PICKS UP FLOATING AND SUBMERGED
VEGETATION



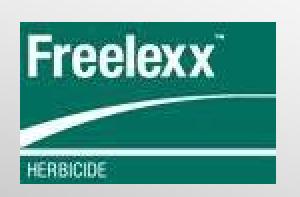






GOOD ON EMERGED AND SUBMERGED DICOTS WILL HAVE IRRIGATION RESTRICTIONS

THE OTHER AQUATIC GROWTH REGULATOR IS 2,4-D...ESTER, AMINE, CHOLINE AND ACID FORMS ARE SELECTIVE TO FLOATING, EMERGED AND SUBMERGED DICOTS









THE FORMULATION WILL DETERMINE YOUR SUCCESS



PROCELLACÓR

FLORPYRAUXIFEN BENZYL IS A NEW CLASS OF AUXIN HERBICIDE VERY ACTIVE ON MILFOIL, PARROTFEATHER...AND OTHERS.

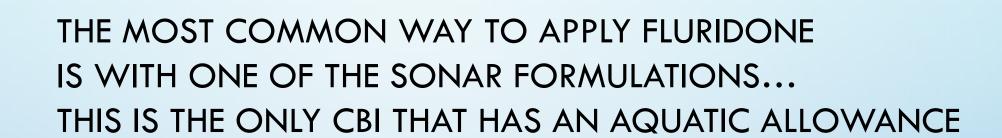
VERY UNIQUE LABEL RATE DESCRIPTION PDU'S...





OASIS IS TOPRAMEZONE, HPPD INHIBITOR

THIS CAN BE SPRAYED ON THE BANKS OR SHORLINE OR INTO THE WATER ON EMERGED WEEDS















FIVE ARE CONTACT ACTIVES, NINE ARE SYSTEMICS

ALL BUT ONE ARE OFF PATENT







ALL OF THESE EXCEPT TRADEWIND CAN GO INTO WATER USED IRRIGATING...

IMAZAPYR AND TRICHLOPYR REQUIRE 120 DAYS
CLEARCAST, GALLEON OASIS YOU'LL WANT TO TEST FOR RESIDUAL
7-14 DAYS FOR SONAR AND STINGRAY
5 DAYS FOR CLIPPER, 1-35 DAYS FOR PROCELLACOR
AND NO DAYS FOR THE REST EXCEPT THE 2,4-D WHICH MATTERS
WHERE YOU'RE IRRIGATING



ALRIGHT...THAT'S ENOUGH. HOW ABOUT ANY QUSTIONS.