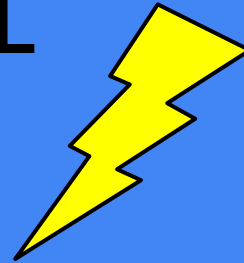


CLOUD SEEDING

FIELD MANUAL



By Matthew J. Tattersall

EratosWorld.com

A BRIEF BACKGROUND ON ERATOS WORLD



In April of 2015, US Army Specialist Matt Tattersall and his pet fish named Willy Makelt shocked the world when they decided to jump out of an airplane and take a selfie.

After posting the photo on social media, the two unlikely heroes quickly went viral but that was only the beginning of their story.

Since then, the two have traveled all over the world in search of ways to improve our planet while also creating some of the tallest tales along the way.

The following contains some of the findings from their adventures...

PREFACE

FM 82-1

This publication provides technical information, utilization methods, and guidance on the art of cloud seeding.

The intended users include community leaders, climate controllers and futuristic farmers. The users will find this information invaluable in their efforts to successfully modify the weather.

Pictures depicted in this manual were taken and/or edited by Matthew J. Tattersall.

Terms that have joint or special definitions are identified in the text and can be found in the Glossary at EratosWorld.com.

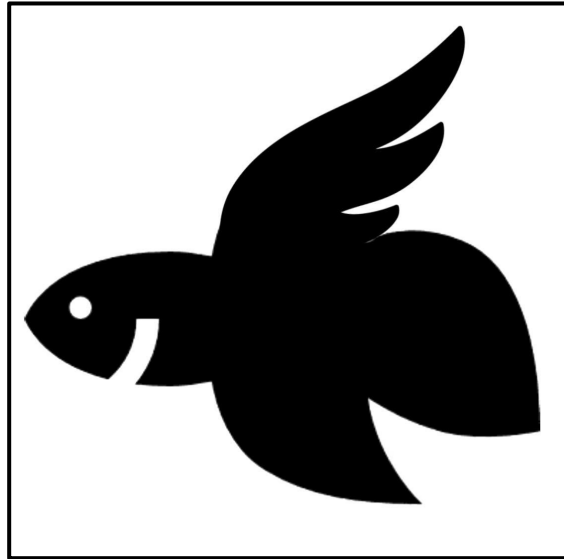
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1. INTRODUCTION
2. UTILIZATIONS
3. LAUNCH METHODS
4. LAUNCH SYSTEMS AND PROJECTILES
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6. CREATING CLOUD BOMBS
7. ORDER OF OPERATIONS
8. ADDITIONAL NOTES

FOREWORD



This manual provides information and guidance for the conduct of dealing with a supernaturally changing climate through various doctrines, techniques and procedures found herein. This publication should be used in conjunction with other official manuals which can be found on EratosWorld.com.

MOST IMPORTANTLY: ERATOS WORLD LLC IS NOT LIABLE FOR ANYTHING!!!

INTRODUCTION

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- A. INTRODUCTORY GRAPHIC
- B. CLOUD SEEDING HISTORY
- C. THE EIGHT MAGIC CRYSTALS
- D. ERATOS WORLD CRYSTALS OF CHOICE
- E. WEATHER CONDITIONS AND CLOUDS
- F. A MORE SERIOUS NOTE

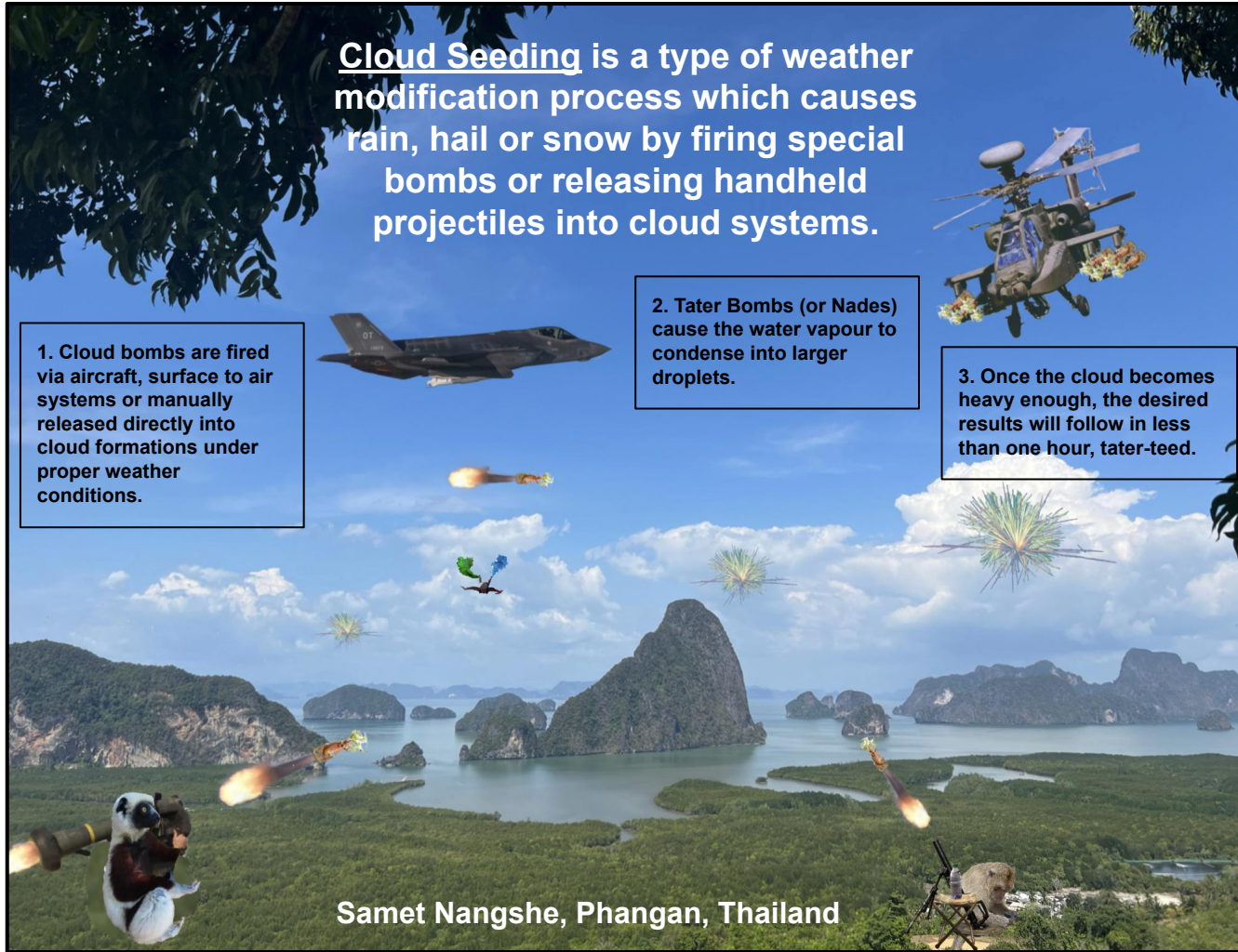
Cloud Seeding is a type of weather modification process which causes rain, hail or snow by firing special bombs or releasing handheld projectiles into cloud systems.

1. Cloud bombs are fired via aircraft, surface to air systems or manually released directly into cloud formations under proper weather conditions.

2. Tater Bombs (or Nades) cause the water vapour to condense into larger droplets.

3. Once the cloud becomes heavy enough, the desired results will follow in less than one hour, tater-teed.

Samet Nangshe, Phangan, Thailand



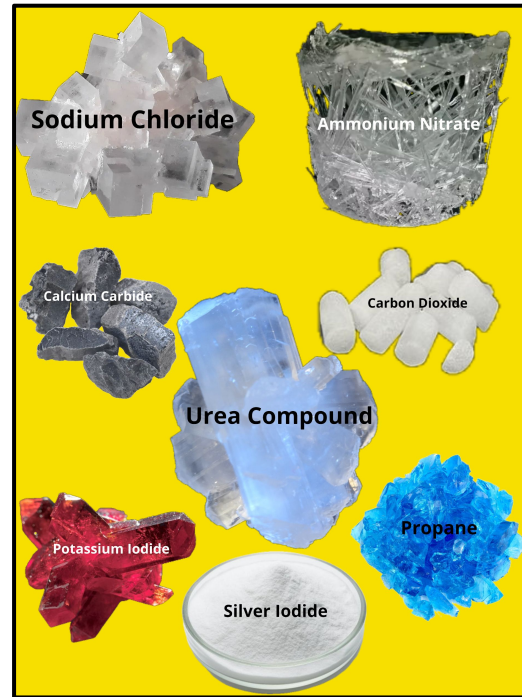
CLOUD SEEDING HISTORY

In 1891, Louis Gathmann theorized that shooting liquid carbon dioxide into clouds would cause them to rain; however, the first successful field test didn't occur until November of 1946 by a dude named Vincent Schaefer.

Since then, research and technological development has made cloud seeding a popular method of increasing rainfall throughout some of the world's most arid regions such as the UAE, Saudi Arabia, Jordan, Morocco, Libya and Syria.

Today, the Chinese government leads the way in terms of conducting cloud seeding operations and that is not ok because The United States should be standing on top instead.

THE EIGHT MAGIC CRYSTALS OF CLOUD SEEDING



NOTE: Silver Iodide is most commonly used in real life applications but we prefer to use ammonium nitrate and salt for educational purposes which will be elaborated on later in this manual.

ERATOS WORLD CRYSTALS OF CHOICE

1. Sodium Chloride (NaCl) Aka “salt” ... Yes, the typical stuff that you put on food and what not.
2. Ammonium Nitrate - Commonly used as fertilizer throughout the agriculture industry here in America. Most of which is imported from Russia (ew) which is ridiculous if you think in terms of national security. That’s why we manufacture our own supply through a special process which will be explained later in this manual.

The Similan Islands, Thailand



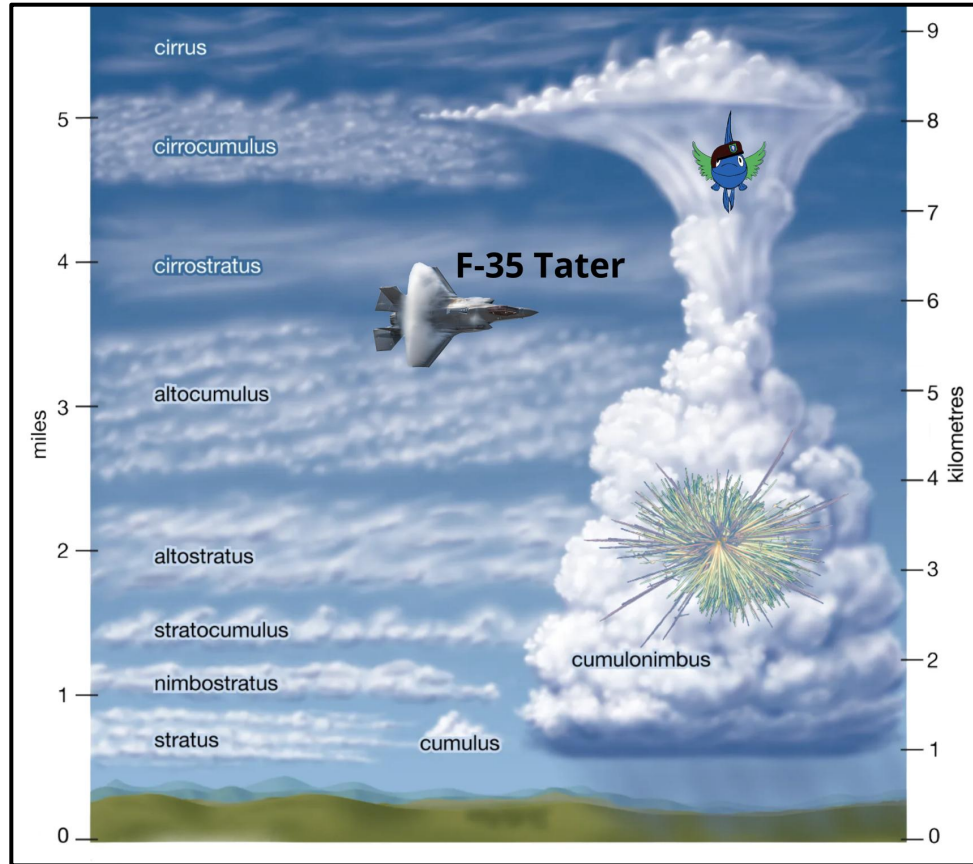
Sodium Chloride

Avenue of the Baobabs, Madagascar



Ammonium Nitrate

WEATHER CONDITIONS AND CLOUDS



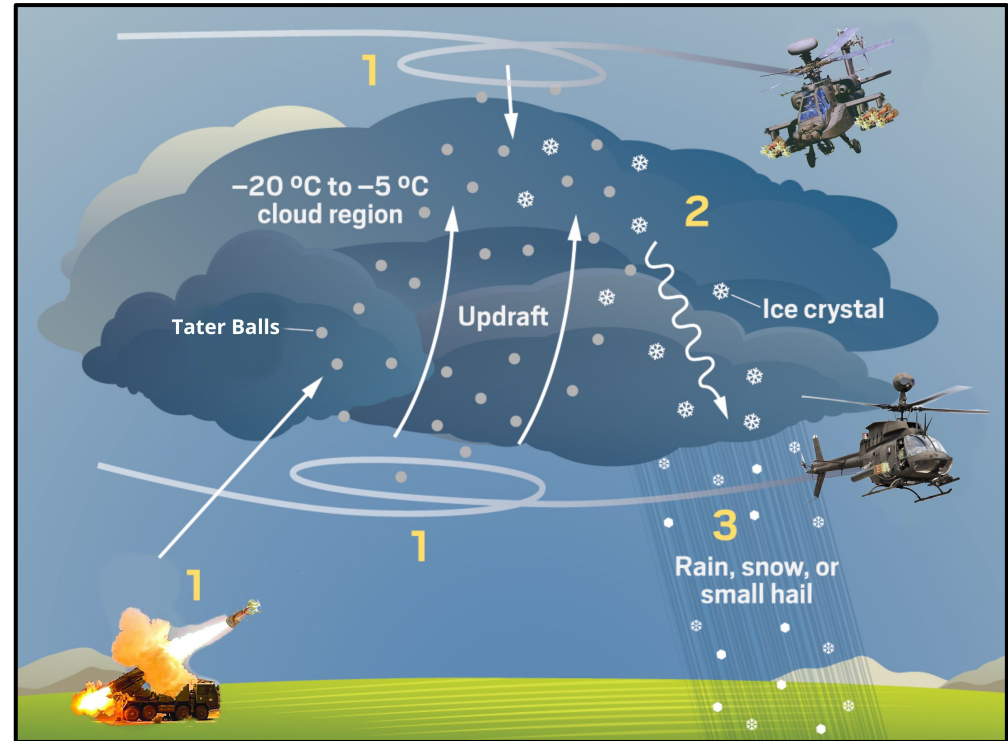
Forget about what the internet or science books say. This is a scientifically fictitious manual so anything is theoretically possible.

Any cloud, any weather, anytime or anywhere; all you need is the proper equipment, a solid plan and consider the job done.

ON A MORE SERIOUS NOTE

If you do care about the science, factors such as temperature, wind, the vertical and horizontal distribution of clouds or even the cloud's lifetime play important roles in determining the outcome.

Once again, we're not concerned with any of that here...



UTILIZATIONS

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- A. EDUCATIONAL PURPOSES
- B. DROUGHT PREVENTION
- C. FIRE FIGHTING
- D. SCHOOL AND WORK CANCELLATIONS
- E. SABOTAGE
- F. PUBLICITY STUNTS
- G. CELEBRATIONS

EDUCATIONAL PURPOSES

People don't know much about cloud seeding which is an absolute shame.

Through our efforts, we aspire to educate and inspire futuristic farmers, climate controllers, ladies, gentlemen and children of all ages.



DROUGHT PREVENTION



This is the primary reason as to why we should be capitalizing on cloud seeding.

Let's say it's August and there hasn't been any rainfall since the middle of July; crops are gonna die soon without any precipitation so we'll be faced with food shortages, price increases and people won't be allowed to water their lawns.

It doesn't have to be that way...

More on drought prevention in FM 82-5

FIRE FIGHTING

Now let's pretend that you're somewhere out in the wild and a forest fire has broken out.

This thing is starting to surround you and time is running out. What are you gonna do?

Make it rain!



SCHOOL AND WORK CANCELLATIONS



Niagara Falls, Canada

For those who want a day off from school or work to go sledding, you might want to make it snow.

This depends upon the temperature of course, **ALTHOUGH** we are currently working on Climate Control Methods (see FM 82-4).

Perhaps one day we will be able to make it snow in places like Walt Disney World in Orlando, Florida!

SABOTAGE

Is your ex getting married this weekend? Or, perhaps one of your opps is having a birthday party...

That's awesome, just formulate a plan, get your gear and make it rain, hail or snow on em.

Talk about raining on someone else's parade! Ha-ha.



NOTE: The hail option might be more preferred for those going through a divorce...

PUBLICITY STUNTS



Are you trying to promote your new music album, business, political campaign or book? Well, say no more fam because this is a perfect way to gain some clout. When people look up at the sky one day and see this happening they will think “Wow, what is that all about?” Then, once it starts raining they will think “Woah, what is going on here?” Finally, when they see your mug shot on the news later that evening they will think “Ha, that’s awesome! I’m going to support this person’s cause.”

CELEBRATIONS

This is what life is all about, right?

Cloud Seeding has the potential to bring people together for fun, excitement and sheer entertainment.

Picture a firework extravaganza, laser spectacle, drone display, airshow, concert, circus all in one big banger.

There will be piñatas, clowns, music, beer and more. Everyone is welcome to come.



Eratos World

LAUNCH METHODS

CONTENTS

1. AIRCRAFTS
2. SURFACE TO AIR SYSTEM
3. HANDHELD LAUNCHERS
4. THE OLD FASHION METHOD

NOTE: As you will see in the following pages, choosing an appropriate launch method is not an easy decision to make because they're all awesome.

AIRCRAFTS

FM 82-1



Waterbury, Connecticut, USA - "Where dreams come true".

NOTE: Any sort of aircraft can be used as long as it has rocket fire capabilities.

SURFACE TO AIR LAUNCH SYSTEMS



Teotihuacan Pyramids, Mexico

- A. MOBILE SYSTEMS
- B. IMMOBILE SYSTEMS
- C. TOWED SYSTEMS

HANDHELD LAUNCHERS



Surface to Air Willy Miss-It Launcher (SAW-MIL)

Inspired by The Javelin



Carl Goof-Off 8.4 cm recoilless cloud seeder

Inspired by the Carl Gustav M4



The MT8 Anti Drought Launcher

Inspired by the AT4



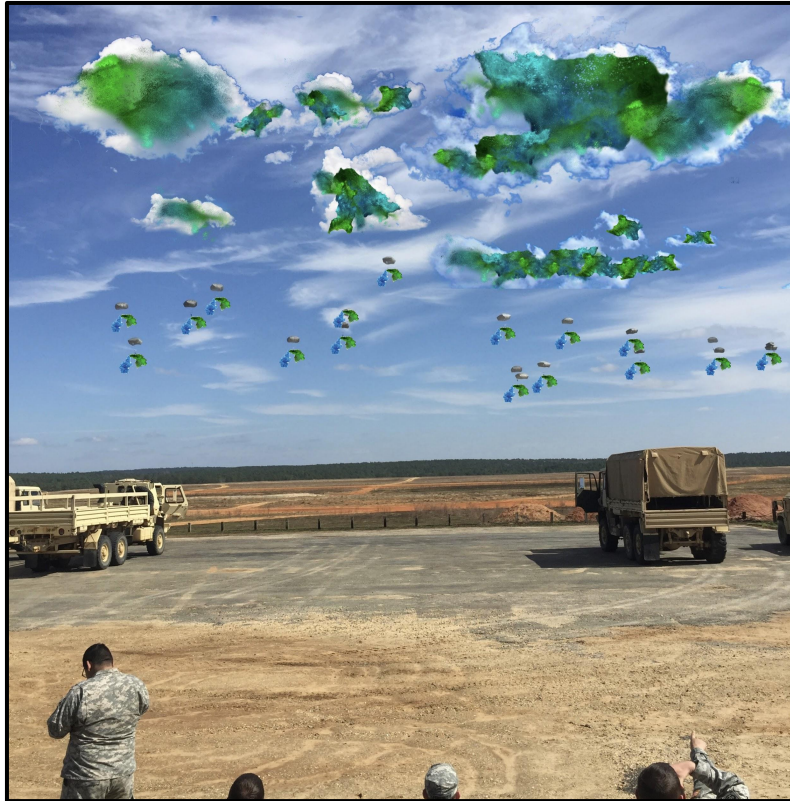
60 mm Tater Tubes

Handheld system pictured left

Conventional setting pictured below



THE OLD FASHIONED METHOD



Fort Bragg, North Carolina, USA

This method requires brave individuals to jump out of an aircraft, directly into cloud systems to manually release the projectiles.

When deployed, [TaterNades](#) blow salt & ammonium nitrate in the form of green and blue smoke so that people can see what is happening.

LAUNCH SYSTEMS

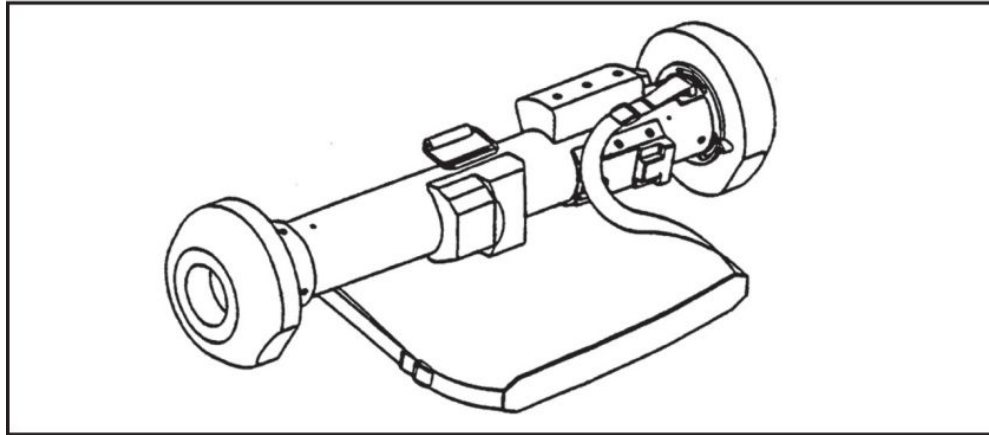
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PROJECTILES

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1. WILLY MISS-IT LAUNCHER
2. TATER TUBES
3. PROJECTILES
 - a. WILLY MISS-ITS
 - b. TATER BOMBS
4. HOW THE EXPLOSIONS WORK
5. TATERNADES

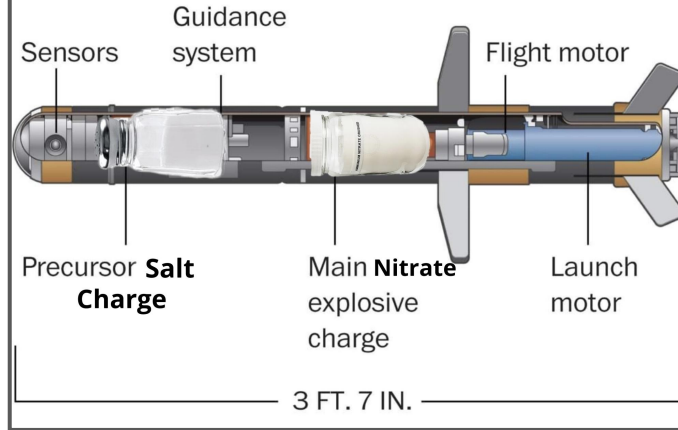
SURFACE TO AIR HANDHELD SYSTEM



Surface to Air Willy Miss-It Launcher
(SAW-MIL)

The Willy Miss-It surface to air guided missile and launcher is a fire-and-never-forget, portable cloud seeding system consisting of a command launch unit (CLU) and a round. The launcher is operated by an individual controller or in crews of two or three personnel. Controllers can use this system during the day, at night, and during limited visibility conditions... Wow.

Willy Miss-Its



NOTE: Willy Miss-Its can be used with both Surface to Air and Air to Air launch systems.

Physical characteristics of the round.

Complete Round (LTA with missile and BCU)	Weight	35.14 lb (15.97 kg)
	Length	47.60 in (120.90 cm)
	Diameter with end caps	11.75 in (29.85 cm)
	Inside diameter	5.52 in (14.00 cm)
BCU	Weight	2.91 lb (1.32 kg)
	Length	8.16 in (20.73 cm)
	Width	4.63 in (11.75 cm)
	Battery	
	Type	Lithium super rechargeable
	Life	4 min of BCU time
	Coolant gas	CO2

TATER TUBES

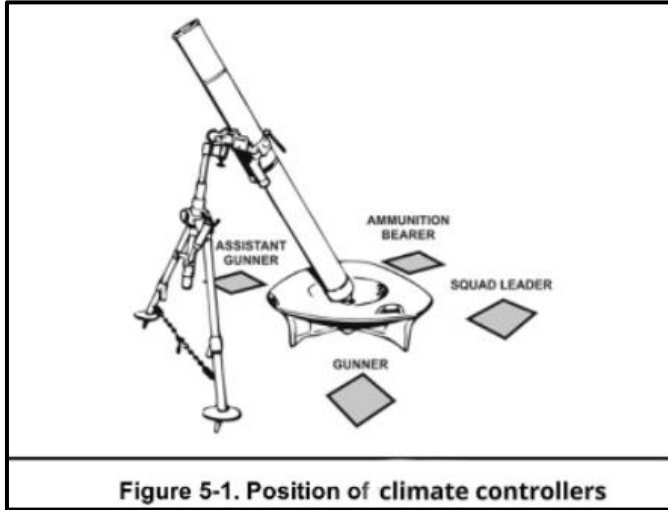
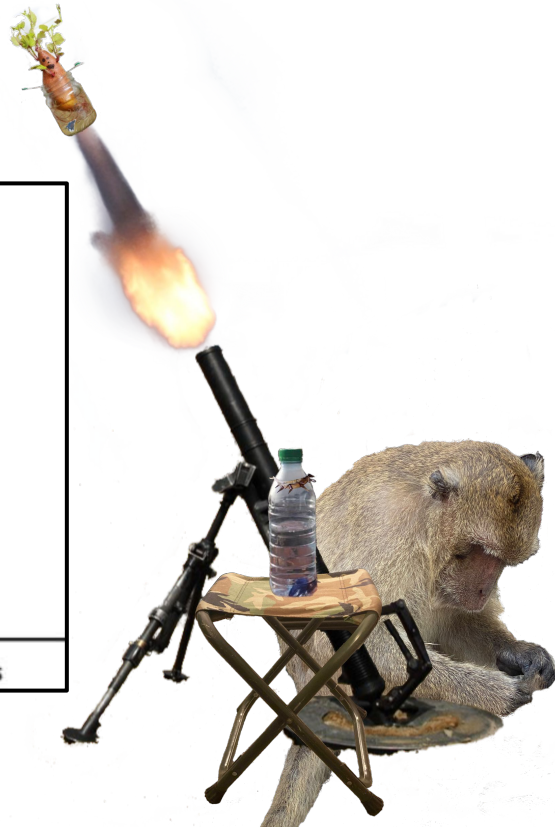
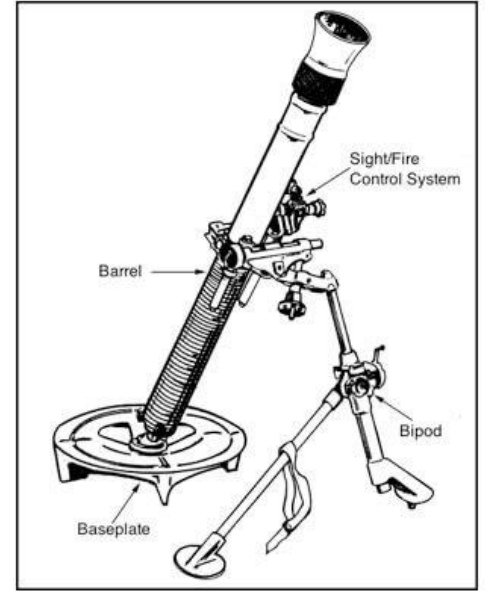


Figure 5-1. Position of climate controllers

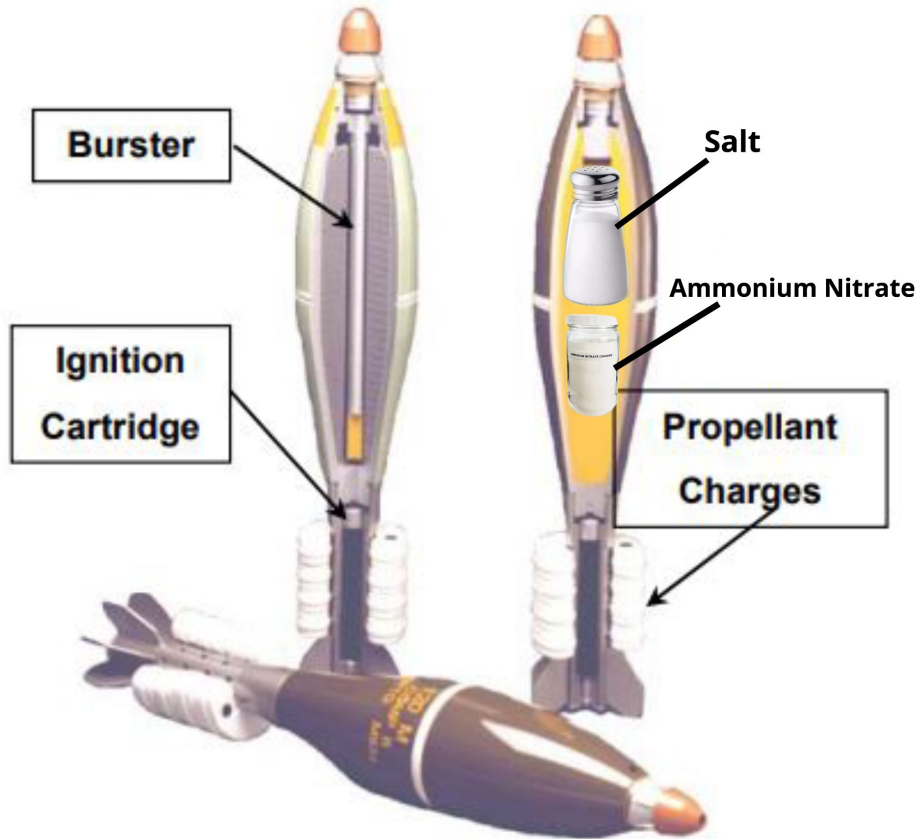


Surface to Air Tater Tube Weather Control System (SATT-WCS)



Systems come in three sizes:
60 mm cannon (middle)
81 mm cannon (right)
120 mm cannon (left)

Tater Bombs 120 / 81 / 61 MM



Round Size	Maximum Range
60 mm	3,490 meters
81 mm	6,500 meters
120 mm	9,500 meters

NOT: There's no such thing as "Danger Close" in Eratos World.

Therefore, we don't worry about the minimum range. Just be careful!!!

TATERNADES



Taternades are handheld projectiles that are utilized for The Old Fashioned Method.

In order to use, the individual(s) must jump out of an aircraft, deploy these manually and soar into the cloud system.

Upon activation, salt and ammonium nitrate is emitted in the form of green and blue smoke which then mixes with the cloud and causes the desired reaction.

THE EXPLOSIONS

HOW THE EXPLOSIONS WORK

1. **Cloud Bombs are fired from Air to Air or Surface to Air Rocket Launcher Systems.**

Pictured right is Lockheed Martin's HIMARS heavy flamethrower system which has a firing range of fifty miles (80 km)... Wow.



HOW THE EXPLOSIONS WORK



Southington, Connecticut, USA

2. Upon entering the cloud, the first charge detonates and the magic crystals are released.

Note: This is definitely illegal so be ready to get out of there fast.

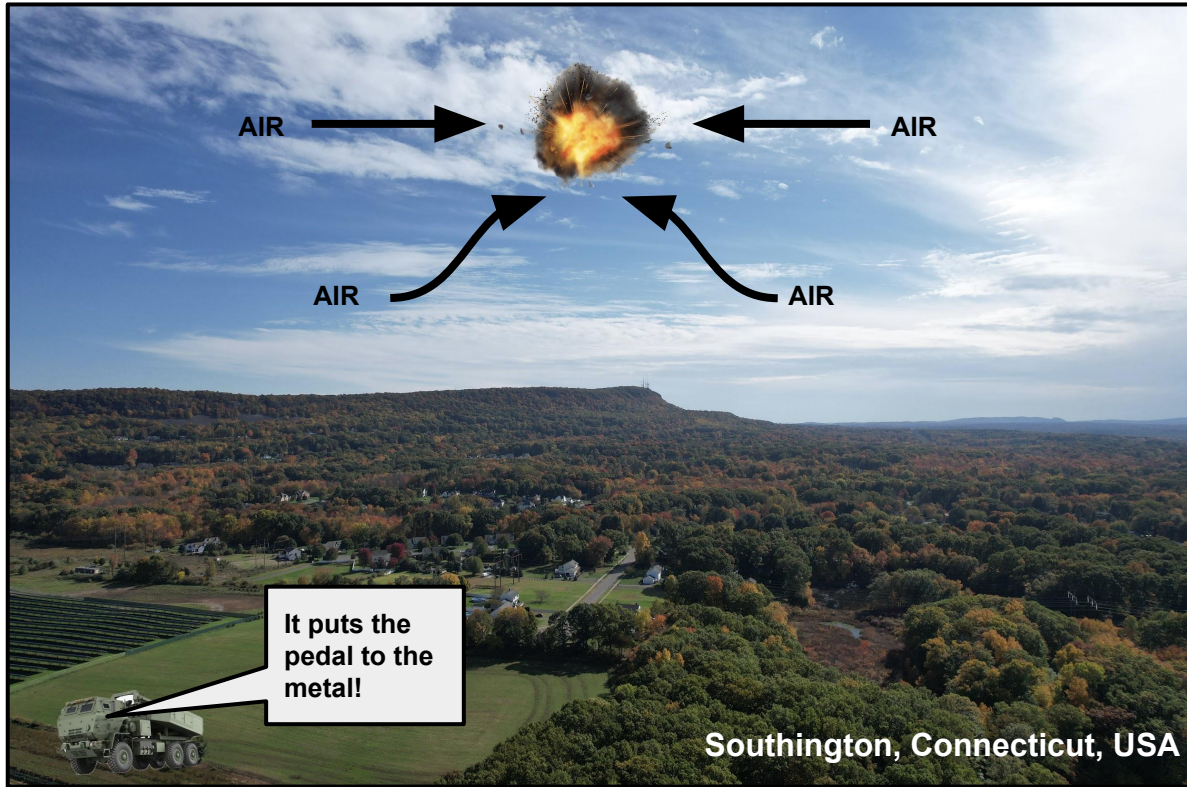
HOW THE EXPLOSIONS WORK

3. A second charge ignites the crystals and creates a massive shockwave which is super loud and you can feel it in your chest.

Note: That's not fire. It's a supernatural reaction to the explosion which looks nice.



HOW THE EXPLOSIONS WORK

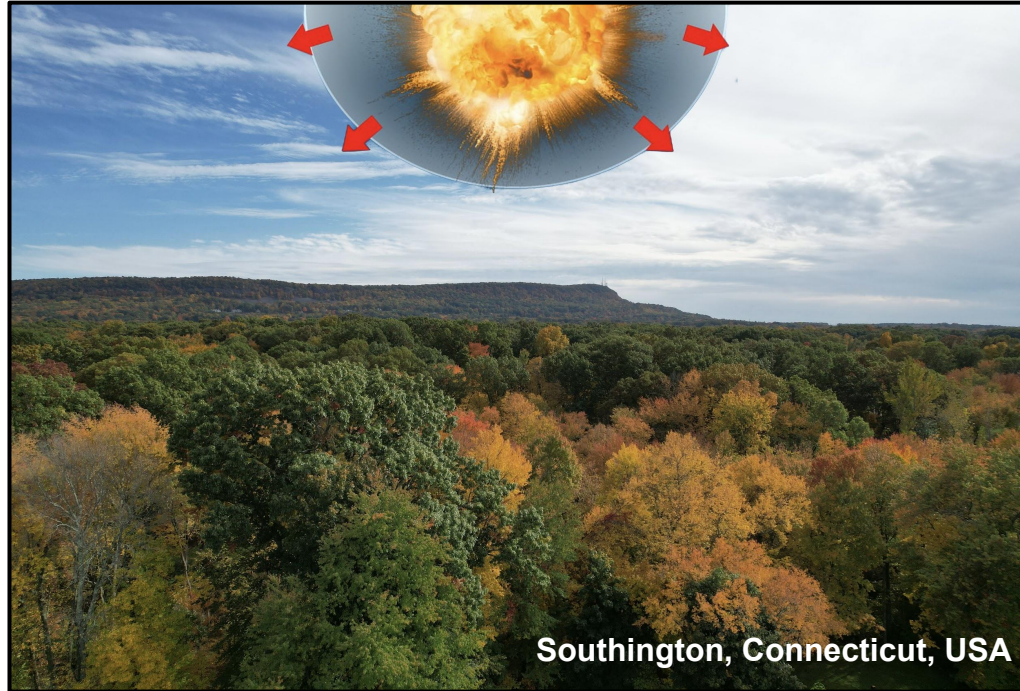


4. Air rushes towards the explosion, creating a vacuum which causes the water vapour to condense into larger droplets.

NOTICE: All of this is eerily similar to that of a Thermobaric Weapon. The main difference is that our bombs are meant to do good for humanity...

“So it goes.”

HOW THE EXPLOSIONS WORK



5. The explosion causes a massive blast wave which lasts significantly longer than that of any other cloud bombs in existence. Once again, you can feel it in your chest. Sometimes the vapour droplets begin to fall before the shock wave even ends! Wow...

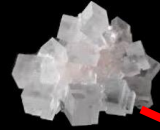
CONCEPTS & CREATION PROCESS

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1. THE TATER BOMB
2. SALT CRYSTAL EXTRACTION PROCESS
3. AMMONIUM NITRATE EXTRACTION PROCESS
4. DIY: CREATING A TATER BOMB

The Tater Bomb

1. Salt crystal embedded in body of Tater



2. Symbiotic relationship between fish and potato converts ammonium nitrites into nitrates

3. Willy Clone-It



REFERENCES:

1. FM 82-5
2. FM 82-3
3. FM 82-8

SALT CRYSTAL EXTRACTION PROCESS

1. Collect ocean water.
2. Desalinate ocean water, this will separate the salt from the water.
 - a. Use fresh water for aquaponics
 - b. Use salt for bombs and nades.



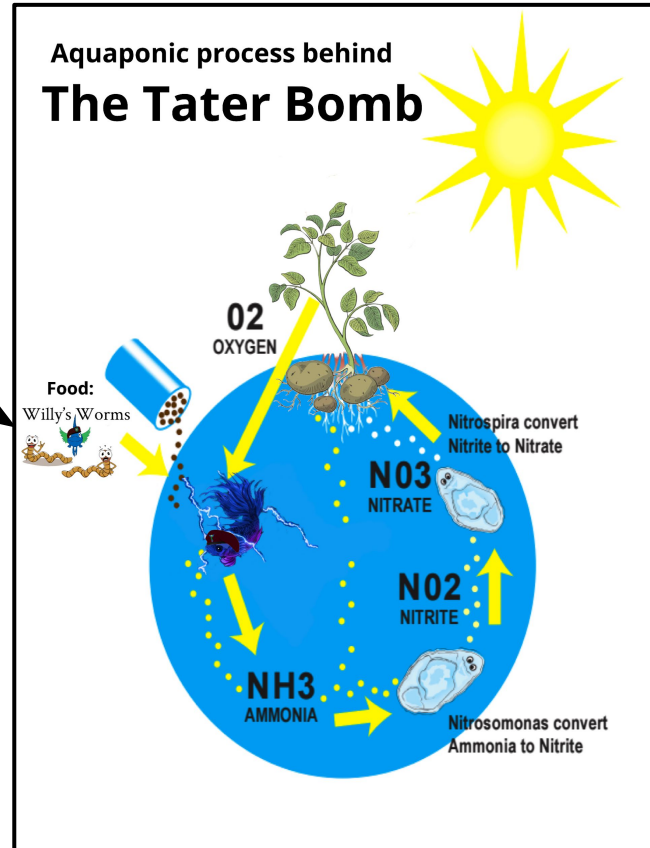
The Dead Sea, Israel

NOTE: More information on the desalination process can be found in FM 82-5.

AMMONIUM NITRATE EXTRACTION PROCESS

SEE: [BUG OPERATIONS](#)

NOTE: Due to liability purposes and public safety, we will NOT release information pertaining to the ammonium nitrate extraction process.



Aquaponics is a system of aquaculture whereas the waste produced by fish or other aquatic animals supplies nutrients for growing plants hydroponically (in this case, potatoes). In turn, the plants purify the water and it is then returned back to the aquafarm.

Refer to FM 82-2 for more information.

DIY: CREATING A TATER BOMB

1. Get a jar.
2. Desalinate ocean water.
3. Fill jar with water.
4. Put a betta in there.
5. Put a potato in there.



7. Sit back and wait for the nitrate levels to rise and the tater to grow.
8. Once the nitrate levels are between 3 & 150 *mgs per liter*, stuff tater with salt crystals.
9. Tater Bomb is now considered "live" so handle with caution.

REMEMBER: Remove fish prior to launch.

ORDER OF OPERATIONS

ORDER OF OPERATIONS OVERVIEW

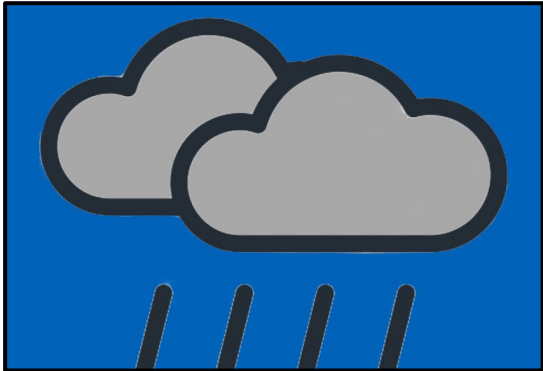


1. Assuming that the weather conditions are adequate, decide on whether you want to make it rain, hail or snow.
2. Gather the necessary materials, tools and equipment.
3. Identify the target and fire at Will(y)... Haha

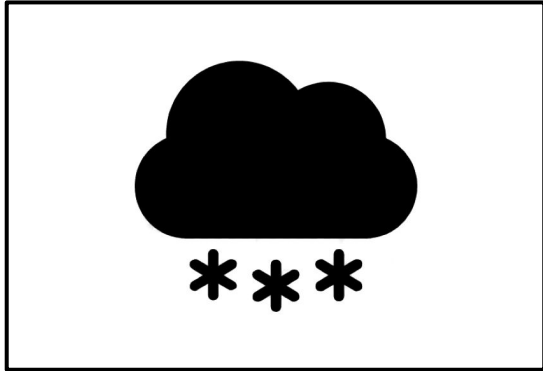
STEP ONE: Decide.



Hail



Rain

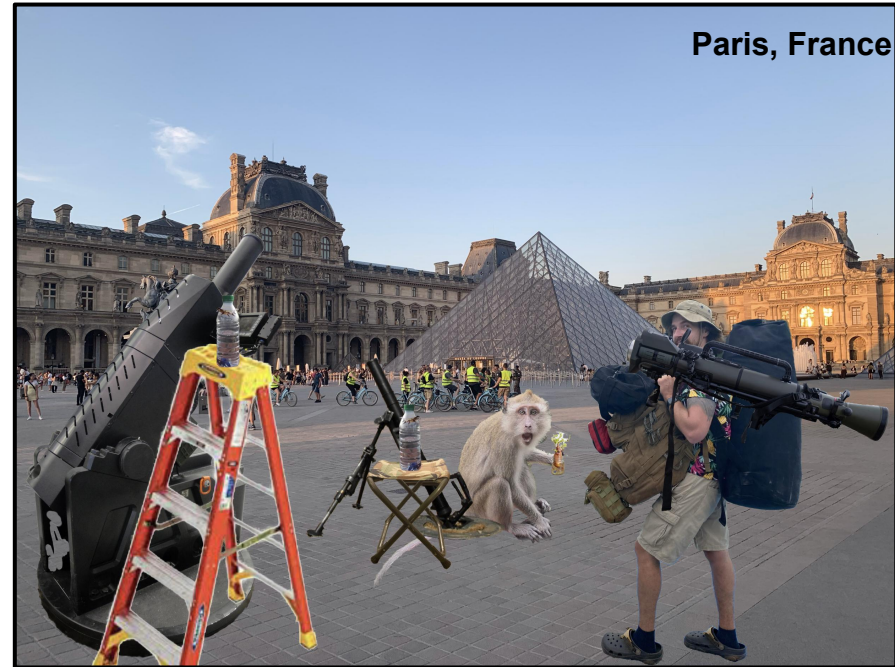


Snow

Do you want to make it rain, hail or snow?

STEP TWO: Gather what's necessary.

1. Tater Bomb(s)
2. Air / ground craft(s) with rocket fire capabilities OR (depending on the situation)
 - a. Tater Tube
 - b. Tater Launcher
 - c. Parachute and Taternades



WORDS TO LIVE BY: *“I’d rather have it and not need it, than need it and not have it.”*

More on Highlanding in FM 82-6

STEP THREE: It gets the job done.



NOTE: The key phrase is “weather permitting!”

ADDITIONAL NOTES

IMPORTANT REMINDER

Not everyone likes cloud seeding so if anyone confronts you:

1. Admit nothing.
2. Deny everything.
3. Make counter accusations.



NOTE: This formula can be applied to damn near any situation in life.

More on Social Jiu Jitsu in FM 82-7

FUTURE WORKS:

- **FM 82-2 - BUG OPERATIONS**
- **FM 82-3 - FUTURISTIC FARMING**
- **FM 82-4 - CLIMATE CONTROL**
- **FM 82-5 - AQUA PRENEURSHIP**
- **FM 82-6 - HIGHLANDING**
- **FM 82-7 - SOCIAL JIU JITSU**
- **FM 82-8 - CRYONICS, CLONING AND GMOs**
- **FM 82-9 - A WHOLE NEW CURRENCY**

SPECIAL THANKS TO OUR STRATEGIC PARTNERS:

- **The Lemur Legion of Madagascar**
- **The Royal Thai Army's 88th Monkey Division**
- **DARPA**
- **USDOD**
- **Lockheed Martin**
- **Sikorsky Aircraft**
- **Raytheon Technologies**
- **Pratt & Whitney**
- **Northrop Grumman**
- **US Department of Agriculture**

THANKS FOR READING!



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