

THE OKLAHOMA AGENT ORANGE FOUNDATION  
P.O. Box 849  
Lexington, OK 73051

Member of the National Vietnam Veterans Coalition

Member of the Agent Orange Coordinating Council

April 14, 1995

Dr. Bruce M. Alberts, President  
National Academy of Sciences

RE: DEFOLIANTS RED, RED/WHITE, AND THE USE OF GREEN AFTER 1965.

Dear Dr. Alberts:

As you are aware, in the 1993 report, Veterans and Agent Orange, the Institute of Medicine of the National Academy of Sciences did "review and evaluate the available scientific evidence regarding associations between diseases and exposure to dioxin and other chemical compounds in herbicides used in Vietnam during the Vietnam era".

Previous to release of the enclosed declassified documents, the only color-coded defoliants (herbicides) known to be used, according to the public record were: (See A & B below.)

Purple	1962-1964	Orange	1965-1971
Pink	"	White	"
Green	"	Blue	"

The documents declassified on 11/21/91 and reproduced at the National Archives show the following defoliants were requested:

Number of 55 gallon drums	Type of defoliant	Date requested to:
		(a) implement defoliation projects (b) satisfy defoliant needs
50	Green band type	24 February 1968
800	Green band cases	13 March 1968
4900	Red & white cases	18 March 1968
600	Green band	29 May 1968
1000	Green band	20 June 1968
200	Defoliant (green band)	3 July 1968
1000	Green band	25 July 1968

Number of 55 gallon drums	Type of defoliant	Date requested to:
		(a) implement defoliation projects (b) satisfy defoliant needs
800 220	Defoliants-red band Defoliant green band	13 September 1968
1500	Green band (defoliant)	15 September 1968
2114 220	Defoliants, red band Defoliants, green band	17 September 1968
2000 1000	Defoliant, red band Green band	21 September 1968
7997	Red and white	10 October 1968
200	Red band defoliants	16 October 1968

According to the document dated 16 October 1968, (all) these requests for defoliants were approved by Lt. Col. NGUYEN QUY TOAN, Director of the Combat Development Experimentation Center/JGS. This combat experimentation involved the use of herbicides previously never mentioned and/or involved the use of Agent Green years after its use was reportedly discontinued.

These documents raise many interesting questions, not the least of which are:

- (1). What is defoliant red?
- (2). What is defoliant red and white?
- (3). Why was defoliant green used again without public knowledge? Is Agent Green, circa 1965, the same as defoliant green, circa 1968?  
  
If true, this would significantly raise the total amount of dioxin that contaminated Vietnam.
- (4). What are the possible associations between diseases and exposure to defoliants red, red/white, and green?
- (5). Are these defoliants (red, red/white, and green) the herbicides mentioned as "unknown" agents in the Herbs and Service Herbs Tapes, circa 1968-69?
- (6). Were these newly discovered defoliants used during other periods of time or is information about other agents yet to be declassified?
- (7). Considering the discovery of these "new" agents, how accurate are OEHL-78-92 (A) and other government documents/studies on the human health effects of herbicides on Vietnam Veterans?

I hope you will insist that the IOM, Committee to Review the Health Effects in Vietnam Veterans of Exposure to Herbicides, make all necessary inquiries to determine the chemical composition and disease associations of exposure to defoliants red, red/white and green (circa 1968-69).

cc: Vice-President Al Gore

Sen. Tom Daschle

Rep. Lane Evans

✓ Elmo Zumwalt, Jr., A.O.C.C.

Dick Christian, American Legion

S.S. Epstein

Cate Jenkins, EPA

Kelley A. Brix, IOM Herbicide Study Director

George Claxton, VVA, Nat'l A.O. Chairman

Julio Gonzales, VVA Illinois

Paul Sutton, VVA New Jersey

Sincerely,

David F. Carter

Chairman

- (A). Young et al., The toxicology, environmental fate and human risk of herbicide orange and its associated dioxin, USAF Occupational and Environmental Health Laboratory, Brooks AFB, TX, pages I-3, I-9, and Table 2 (Section I).
- (B). Department of Veterans Affairs, Agent Orange Review, April 1992, page 5.

DECLASSIFIED PER EXECUTIVE ORDER 12356, Section 3.3, AWD 911614

By RB/SmcA NARA, Date 11/21/91

MACAG TRANSLATION DIVISION LOG No. 0660  
PAGE I OF COPY OF 1

**KIN**

POSTAL MESSAGE

-:-:-

**FROM :** - COMBAT DEVELOPMENT AND TEST CENTER/JGS.  
**TO :** - IV CTZ Headquarters/202 Committee.  
- 20th Ordnance Storage Depot.  
**INFO :** - J3/JGS/CHEMICAL BRANCH.  
- JOINT GENERAL STAFF/CENTRAL LOGISTICS  
COMMAND/202 COMMITTEE.  
- MACV - COC 7.

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Text # 05655/TIM/TNPT/-

Pursuant to Postal Message # 05012/TIM/TNPT, dated 11 February 1968, from the Combat Development and Test Center/JGS:

Upon the request by MACV-COC 7 and to meet urgent requirements of the IV CTZ, the Combat Development and Test Center has given approval and has shipped to Cantho by US Air Transportation 50 containers of chemicals, green band type, from the quantity stored at Bien Hoa Airfield. It is requested that the 4th CTZ Headquarters/202 Committee acknowledge receipt and that the 20th Ordnance Storage Depot adjust the accounting. The quantity of chemicals mentioned in the referenced Postal Message will continue to be issued to the IV CTZ Headquarters/202 Committee for stockage/- END/-

APC. 4002, 24 February 1968.

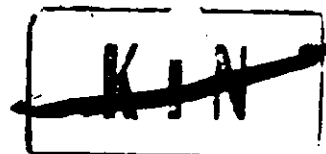
Lieutenant Colonel NGUYEN QUY TOAN  
Acting Director of the Combat Development and Test Center/JGS.

/Signed and Sealed/

**KIN**

By RB/Smith NARA, Date 11/21/91

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PAGE 1 OF 1 COPY 1 OF 1



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FROM : - COMBAT DEVELOPMENT EXPERIMENTATION CENTER  
TO : - 20th ORDNANCE BASE DEPOT  
- WAREHOUSE C/SAIGON TRANSPORTATION TERMINAL  
- 202nd COMMITTEE/IV CTZ HEADQUARTERS  
- 240th ORDNANCE SUPPORT BATTALION (MEDIUM)  
INFOR: - CHEMICAL BRANCH/J3/JGS  
- 202nd COMMISSIONER/CENTRAL LOGISTICS COMMAND/JGS  
- MACV - COC7

Text #09144/TM/TNPT.

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REFERENCE : Message #0496/12/M, dated 04 March 1968, from 202nd Committee, IV CTZ Headquarters, concerning implementation of Defoliation Project by Helicopters in IV CTZ. Respectfully request that :

First : The 20th Ordnance Base Depot secure transportation to ship by water to Phong-Dinh Province, eight hundred (800) green band cases of chemicals which have been stocked at Warehouse C, Saigon Transportation Terminal.

Second : 202nd Committee/IV CTZ Headquarters direct the 240th Ordnance Medium Support Battalion to receive, control, and stock the above quantity of chemicals.

Third : Acknowledgment report must be submitted to JGS / END /.

APO 4002, dated 13 March 1968

Lieutenant Colonel NGUYEN-QUY-TOAN  
Acting Director of Combat Development  
Experimentation Center/JCS



By RB/Smith NARA, Date 11/2/91

MACAG TRANSLATION DIVISION LOG No. 2080  
PAGE 1 OF 1 COPY 1 OF 1

REV'D #23 JUN 68

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	Ch. 101
	Ch. 102
	Ch. 103
	Ch. 104
	Ch. 105
	Ch. 106
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	Ch. 111
	Ch. 112
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	Ch. 117
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	Ch. 119
	Ch. 120

POSTAL MESSAGE

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FROM: Combat Development and Test Center/JGS  
TO : 202nd Committee/IV CTZ Headquarters  
20th Ordnance Storage Base

Text # 20123/TTM/TNPT

Fursuant to Postal message # 09144/TTN/TNPT, dated 13 March 1968, from the Combat Development and Test Center/JGS.

In order to meet the requirements for defoliation projects by helicopters in IV CTZ, the Combat Development and Test Center has approved and shipped by waterway Transportation to CAN THO 600 drums of chemical, green band out of the quantity of chemicals stored at the Transportation Terminal Command/Saigon/C Depot. It is requested that the 202 Committee IV CTZ Headquarters acknowledge receipt and that the 20th Ordnance Storage Base adjust accounts. The quantity of chemicals mentioned in referenced postal message will be issued to the 202 Committee IV CTZ Headquarters for storage.

This postal message confirms the telephone conversation between the Combat Development and Test Center, Chemical Branch/J3/JGS and Captain DUC, 20th Ordnance Storage Base at 1000 hours on 25 May 1968.

AFO 4002, 29 May 1968

By order of Lieutenant Colonel NGUYEN L TOAN  
Director of the Combat Development and Test Center (CX)  
Major VO TRONG BIEN  
Acting

/Signed and Sealed/

By RB/Smach NARA, Date 11/21/91

MACAG TRANSLATI DIVISION LOG Nr. 2157  
PAGE 1 of COPY OF 1

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Rcv'd 28 Jun  
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M E S S A G E  
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FROM : Combat Development and Test Center  
TO : - V ALC Headquarters/Plan, Supply and Maintenance Section  
- 5th Zone Transportation Office  
INFO : - MACV-COC-7

Text # 22813/TTM/TNPT-191600hours

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Due to pressing defoliation requirements in the 11 CTZ. The Combat Development and Test Center will send 1,000 green band chemical containers to Nha-Trang on 20 June 1968 by C130 aircraft of the US Air Force. It is requested that addressees:

1. Move the above mentioned quantity of chemicals from the aircraft to the storage area at Nha-Trang Airfield.
2. Make a report on results after receipt of the above quantity of chemicals.

AFPO 4002, 20 June 1968

Lieutenant Colonel NGUYEN-DUY-TOAN  
Director of the Combat Development and Test Center/Joint General Staff

Major VO-TRANG-BIEN  
Deputy Director

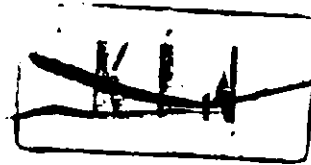
/ Signed and Sealed /

200/17 C-130  
20 Jun 1968

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By RB/Smoak NARA, Date 11/21/91

MACAG TRANSLATION DIVISION LOG No. 2449  
PAGE 1 OF 3 COPY 1 OF 1



SENT TO ALI  
13 JUL 68  
RCVD FM AC  
18 JULY 68

HAND CARRIED MESSAGE  
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Heck 549

FROM : JGS/Combat Development and Test Center

TO : 20th Ordnance Base Depot  
Depot C, Saigon Transportation Terminal  
Khanh Hoa Sector/202  
Headquarters 5th ALC

INFO : MACV COC7

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Text # 24580 /TTM/TNPT

Because of emergency chemical requirements at the Secondary Bomb Storage field of the Combat Development and Test Center in Nha Trang, It is requested that:

1. The 20th Ordnance Base Depot establish procedures to request air transport-priority-for 200 fifty-five gallon barrels of defoliant (Green Band) to Khanh Hoa Sector.
2. The Saigon Transportation Terminal/Depot C prepare the above chemical for movement to TSN Airfield.
3. Khanh Hoa Sector prepare to receive the chemicals and 5th ALC HQ assist Khanh Hoa Sector in transporting the Chemicals to the secondary bomb storage field at the airport.
4. Report results to JGS when completed.
5. This message cancels Message #. 22813/TTM/TMPT, 20 Jun 68 for 5 ALC HQ and Khanh Hoa Sector.

APD 4002, 3 July 1968

LTC NGUYEN QUY TOAN  
Director, Combat Development and  
Test Center/JGS

/Signed and Sealed/



By RB/Smith NARA, Date 11/21/91

MACAG TRANSLATION DIVISION LOG Nr. 2680  
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POSTAL MESSAGE  
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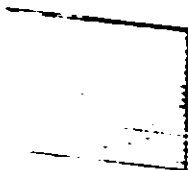
FROM : Combat Development & Test Center/JGS

- TO : - III CTZ Military Transportation Command  
 - 20th Ordnance Base Depot  
 - Saigon Transportation Terminal/"C" Depot  
 - 2d ALC  
 - Binh Dinh Sector, 202 Committee.

INFO : - MACV COC-7

Text # 27546/TTM/TMPT

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In order to satisfy the requirement for green defoliant at the secondary pumping area at Phu-Cat, addressees are respectfully requested to carry out the following action:

1. The III CTZ Military Transportation Command will immediately deliver to the Saigon Transportation Terminal 1,000 55-gallon green band containers from the defoliant stocked at Bien-Hoa Airfield.
2. The 20th Ordnance Base Depot will adjust its records accordingly and request waterway transportation for shipment of 1,000 containers of defoliant to Binh Dinh.
3. The 2d ALC will transport the above defoliant to the secondary pumping area at the Airfield in accordance with MEMO # 0389/TTL/P3/372, dated 24 April 1968.
4. An after action report must be submitted to JGS.

AFO 4002, dated 25 July 1968

LTC. NGUYEN-JUY-TOAN  
Director, Combat Development & Test Center.

By RB/Smoak NARA, Date 11/2/91

MACAG TRANSLATION DIVISION LOG No. 3400  
PAGE 1 OF 1 COPY 1 OF 1

**K I N**

POSTAL MESSAGE

*hook sup*  
*[Handwritten signatures and markings]*

FROM: - Combat Development and Test Center of Joint General Staff

TO : - III Zone Transportation Office/Hqs.  
- 20th Ordnance Storage Depot  
- Saigon Transportation Terminal Command  
- Binh Dinh Sector/202  
- Khanh Hoa Sector/202  
- Phong Dinh Sector/202

INFO: - MACV-COC7

Text # 34320/TDM/TNPT/

In order to satisfy the need for defoliants at the II and IV Corps Tactical Zones, it is respectfully requested that:

1: The 20th Ordnance Storage Depot urgently take procedural steps to request shipment by sea transportation to Binh Dinh of: 200 55-gallon drums of Chemical defoliants-red band and 300 drums of chemical defoliants-white band; to Nha Trang: 400 drums of chemical defoliants-red band and 300 drums of chemical defoliants-white band; to Can Tho: 200 drums of chemical defoliants-red band, 500 drums of chemical defoliants, white band and 220 drums of chemical defoliants green band.

2: The III Zone Transportation Office Headquarters will provide transportation to the 20th Ordnance Storage Depot to move the above quantity of defoliants to Saigon Transportation Terminal Command.

3: Addressees will report the results to the Combat Development and Test Center after completion.

APO 4002, 13 September 1968

Lieutenant Colonel NGUYEN QUY TOAN  
Director of Combat Development and Test Center.

/Signed and Sealed/

*Approved by #35184 (1750)*

By RB/Smith NARA, Date 11/21/91

MACAG TRANSLATION DIVISION LOG No. 3431  
PAGE 1 OF 1 CI 1 OF 1

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*herb supply*  
Ch. Cat  
✓ AP

FROM: - Combat Development and Test Center/JGS.

TO : - 3rd Zone Transportation Office/Hqs.  
- Saigon Transportation Terminal Command.  
- 20th Ordnance Storage Depot.  
- 2nd Area Logistics Command/Hqs.  
- Binh Dinh Sector/202.

INFO: - MACV COC7

Text # 34649/TM/TNPT

Pursuant to Postal Message # 34320/TM/TNPT, dated 13 September 1968 and to satisfy the need for chemical defoliants for the alternate bomb storage dump of the 202 Committee/JGS at Phu Cat, it is requested that:

- 1: The 3rd Zone Transportation Office Headquarters urgently draw one thousand five hundred (1,500) 55 gallon drums of chemical defoliants, green band, from the stock of chemical defoliants stored at Bien Hoa airfield, and ship them to Saigon Transportation Terminal Command.
- 2: The 20th Ordnance Storage Depot will adjust the stock control records and request sea transportation to ship these chemical defoliants to Binh Dinh
- 3: The 2nd Area Logistics Command Headquarters will assume the responsibility of shipping the above chemical defoliants to the alternate bomb-storage dump at the airfield, in accordance with memorandum # 0389/TM/P3/372, 24 April 1968.
- 4: Addressees will report results to the Joint General Staff following completion.

APO 4002, 15 September 1968

Lieutenant Colonel NGUYEN QUY TOAN  
Director of Combat Development and Test Center.

/Signed and Sealed/





DECLASSIFIED PER EXECUTIVE ORDER 12356, Section 3.3, AMND 9/16/14

By RB/SmcA NARA, Date 11/21/91

3. The I ALC be responsible for the shipping of one thousand (1000) drums, red band, and one thousand (1000) drums, green band, to the secondary bomb storage area at Da Nang.

The II ALC is responsible for the shipping of one thousand (1000) drums, red band, and five hundred (500) drums, white band, to the secondary bomb storage area at Phu Cat.

4. Addresses submit a report of action taken after completion.

AF0 4002, 21 September 1968  
Lieutenant Colonel NGUYEN QUY TOAN  
Director of Combat Development and  
Test Center/JGS.  
(Signed and Sealed)

DECLASSIFIED PER EXECUTIVE ORDER 12356, Section 3.3, AND 9/16/14

By RB/Smith NARA, Date 11/21/91

MACAG TRANSLATION DIVISION LOG No. 4165  
PAGE. 1 OF 1 COPY 1 OF 1

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POSTAL MESSAGE  
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FROM: JGS/Combat Development and Test Center

TO :- I Corps Tactical Zone Headquarters/Committee 202  
- 1st Area Logistics Command HQ  
- 210th Ordnance Medium Support Battalion

INFO: MACV COC7

Text # 38466 /TTM/TNPT

REFERENCE: Memorandum # 0550/TTM/TCTV/CV/3 of 24 July 1968.

—oOo—

To satisfy the chemical requirements of I Corps Tactical Zone, the JGS/Combat Development and Test Center has coordinated with MACV-COC7 in shipping to I Corps Tactical Zone seven thousand nine hundred and ninety-seven (7997) red and white-striped 55-gallon drums of chemicals by S/S MORMA CARGO which will arrive at DANANG Post on or about 27 October 1968.

It is requested that the addressees execute their respective missions stated in the referenced memo. The use of the chemicals will be ordered by the JGS in a document to be published later.

AFPO 4002, 10 October 1968

LTC NGUYEN-QUY-TUAN  
Director, Combat Development and  
Test Center/JGS

/Signed and Sealed/

(1) 10-6741

DECLASSIFIED PER EXECUTIVE ORDER 12356, Section 3.3, 1409-01

By RB/Smith NARA, Date 11/21/91

MACAG TRANSLATION DIVISION LOG No. 4344  
PAGE 1 OF 1 CC 1 OF 1



POSTAL MESSAGE

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FROM: JGS/Combat Development Experimentation Center/202 Committee.

TO : III Corps Tactical Zone Headquarters/202 Committee.

INFO: MAC-VCOC # 7

Text # 39448/Bo TM/TNPT/202.

Reference: Postal Message No. 123/202, dated 2 October 1968, from III Corps Tactical Zone Headquarters.

DECLASSIFIED BY ORDER  
OF THE SEC ARMY BY TAG  
PER 9403817

The Combat Development Experimentation Center approved the issue of 1000 drums of white band defoliants, 200 drums of red band defoliants, and 200 drums of blue band defoliants. In order to avoid difficulties, request that you contact the 202 Team Leader at Ranch Hand (12th ACS) and the 23rd Air Wing Headquarters, BIEN HOA Airfield Defense Forces to receive and transport the above defoliants. Laborers and facilities are to be provided by your CTZ.

APO 4002, 16 October 1968

Lieutenant Colonel NGUYEN QUY TOAN  
Director of the Combat Development  
Experimentation Center/JGS

/Signature and Seal/

1409-01 (1)